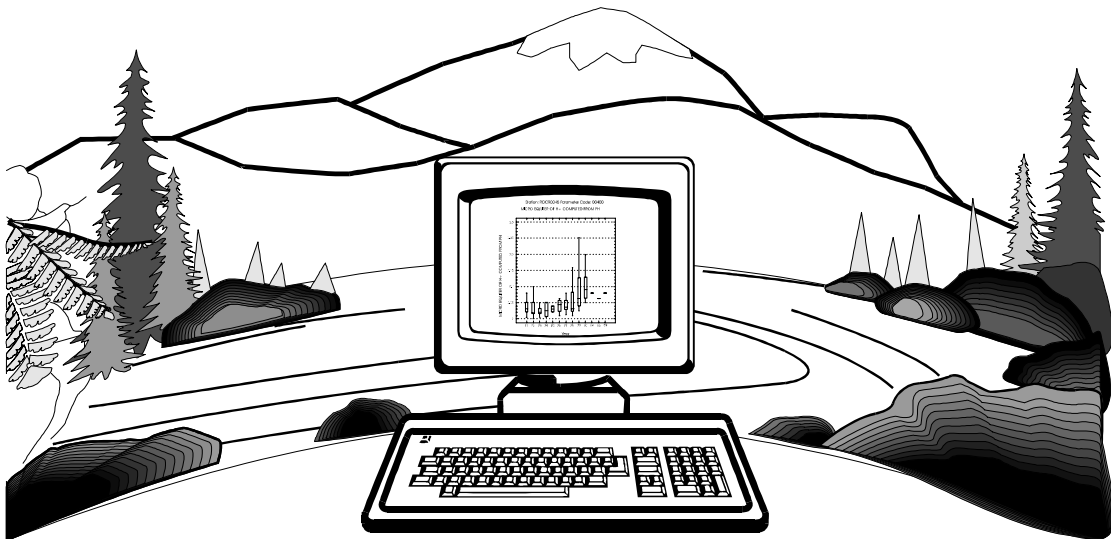

BASELINE WATER QUALITY DATA INVENTORY AND ANALYSIS

Hopewell Culture
National Historical Park



WATER RESOURCES DIVISION AND SERVICEWIDE INVENTORY AND MONITORING PROGRAM



National Park Service - Department of the Interior
Fort Collins - Denver - Washington

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BASELINE WATER QUALITY DATA
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HOPEWELL CULTURE
NATIONAL HISTORICAL PARK

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-2001/289

OCTOBER 2001

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Hopewell Culture National Historical Park (HOCU) from six of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) water quality database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); (5) Water Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's (NPS) Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze surface water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing period of record, annual, and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located 17 industrial/municipal dischargers; two drinking water intakes; 11 active or inactive U. S. Geological Survey (USGS) and U. S. National Weather Service water gages (including stream, lake, and well); and seven water impoundments. The results of the STORET retrieval for the study area yielded 111,946 observations for 654 separate parameters collected by the USGS, EPA, U. S. Army Corps of Engineers (COE), and Heidelberg College at 68 monitoring stations from 1956 through 1998. Approximately 47 percent of the 111,946 observations within the study area were collected by the COE from 1973 through 1996. No monitoring stations were located within the park boundaries.

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Twenty-six stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longest-term records within the study area are: (1) Paint Creek Lake, Main Lake Station (HOCU 0057); (2) Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0031); (3) Outflow of Paint Creek Lake (HOCU 0053); (4) Scioto River at the U.S. Routes 35 and 50 Bridge (HOCU 0003); and (5) Deer Creek at the State Route 104 Bridge (HOCU 0040)[†].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the HOCU water quality criteria screen found 21 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, antimony, cadmium, chromium, copper, lead, mercury, silver, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. Sulfate, nitrate, nitrite, nitrite plus nitrate, antimony, beryllium, cadmium, chromium, lead, mercury, nickel, thallium, and atrazine exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively.

[†]Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

Dissolved oxygen concentrations were measured 8,287 times at 54 monitoring stations from 1965 through 1997. One-thousand-eight-hundred-two observations at 16 monitoring stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life from 1967 through 1997. Approximately 93 percent of these 1,802 observations were reported during depth sampling at seven stations in Paint Creek Lake (HOCU 0057, HOCU 0058, HOCU 0060, HOCU 0062, HOCU 0063, HOCU 0065, HOCU 0068) from 1975 through 1996.

The pH was measured 8,411 times at 55 monitoring stations from 1965 through 1997. One-hundred-fifty-one observations at 15 stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1972 through 1997. Seventy-eight observations were less than or equal to pH 6.5 and 73 observations were greater than or equal to pH 9.0. Approximately 76 percent of the observations outside the pH screening criteria were reported at six stations in Paint Creek Lake (HOCU 0057, HOCU 0059, HOCU 0060, HOCU 0063, HOCU 0065, HOCU 0068) from 1975 through 1996. The highest pH of 9.9 SU was reported twice at two stations in Paint Creek Lake (HOCU 0057, HOCU 0063) in August 1983. The lowest pH of 2.7 SU was reported in Deer Creek at the State Route 104 Bridge (HOCU 0040) in November 1978.

Turbidity was measured 1,139 times at 14 monitoring stations from 1973 through 1996. Five-hundred-eleven observations at ten stations, in Paint Creek Lake (HOCU 0057, HOCU 0058, HOCU 0060, HOCU 0062, HOCU 0063, HOCU 0065, HOCU 0068), Paint Creek downstream of Paint Creek Dam (HOCU 0053), Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0032), and Paint Creek at the Jones Levee Road Bridge (HOCU 0045), equaled or exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1973 through 1996. Approximately 99 percent of the observations exceeding the criterion were reported at seven stations in Paint Creek Lake (HOCU 0057, HOCU 0058, HOCU 0060, HOCU 0062, HOCU 0063, HOCU 0065, HOCU 0068) from 1975 through 1996, including the highest observation of 800 NTU one mile downstream of Rattlesnake Creek (HOCU 0063) in September 1996.

Total coliform concentrations were measured 13 times at three monitoring stations, (HOCU 0012, HOCU 0061, HOCU 0066) from 1980 through 1992. Seven observations, ranging from 1,200 Colony Forming Units per 100 milliliters (CFU/100 ml) to 73,500 CFU/100 ml at two stations, in Plum Run just upstream of Paint Creek Lake (HOCU 0066) and Paint Creek Lake near Plum Run (HOCU 0061), exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) in 1980. Six of these seven observations were reported in Plum Run just upstream of Paint Creek Lake (HOCU 0066), including the highest concentration of 73,500 CFU/100 ml in September 1980. Fecal coliform concentrations were measured 189 times at 29 monitoring stations from 1975 through 1997. One-hundred-four observations at 21 stations exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1975 through 1997. The highest concentration of 83,000 CFU/100 ml was reported in Plum Run just upstream of Paint Creek Lake (HOCU 0066) in September 1980.

Total sulfate concentrations were measured 2,077 times at 48 monitoring stations from 1965 through 1998. Ten concentrations, ranging from 261 mg/L to 399 mg/L at four stations, in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0029) and Paint Creek downstream of the Mead Paper Company (HOCU 0022, HOCU 0023, HOCU 0027), exceeded the secondary drinking water criterion of 250 mg/L from 1992 through 1998. Seven of these ten observations were reported in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0029) during 1997 and 1998. The highest concentration of 399 mg/L was reported in Paint Creek downstream of the Mead Paper Company (HOCU 0027) in July 1992.

Nitrate concentrations (including dissolved and total as N and dissolved as NO₃) were measured 440 times at 14 monitoring stations from 1965 through 1988. One dissolved NO₃-NO₃ concentration of 160 mg/L in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0028) exceeded the drinking water criterion of 44 mg/L NO₃-NO₃ in October 1972.

Nitrite concentrations (including dissolved and total as N) were measured 1,179 times at 32 monitoring stations from 1971 through 1998. Eight-hundred-fifty-one concentrations at two stations, in the Scioto River in Chillicothe

at the Bridge Street Bridge (HOCU 0029) and Paint Creek at the Jones Levee Road Bridge (HOCU 0045), equaled or exceeded the drinking water criterion of 1 mg/L from 1980 through 1998. All but one of the observations exceeding the criterion were reported in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0029), including the highest concentration of 613 mg/L in August 1996.

Nitrite plus nitrate concentrations (including dissolved and total as N) were measured 2,123 times at 56 monitoring stations from 1971 through 1998. Twenty-eight concentrations at eight stations, in Paint Creek Lake (HOCU 0057, HOCU 0059, HOCU 0063, HOCU 0068), the Scioto River in Chillicothe (HOCU 0016, HOCU 0029), Paint Creek downstream of Paint Creek Dam (HOCU 0053), and Deer Creek at the State Route 104 Bridge (HOCU 0040), equaled or exceeded the drinking water criterion of 10 mg/L from 1972 through 1998. Seventeen of these 28 concentrations were reported at four stations in Paint Creek Lake (HOCU 0057, HOCU 0059, HOCU 0063, HOCU 0068), including the highest concentration of 499 mg/L at Paint Creek Lake L-1 (HOCU 0059) in August 1992.

Antimony concentrations (including dissolved and total) were measured 259 times at six monitoring stations in Paint Creek Lake or downstream from the dam (HOCU 0053, HOCU 0057, HOCU 0060, HOCU 0063, HOCU 0065, HOCU 0068) from 1981 through 1989. Twenty-three concentrations at five stations, in Paint Creek Lake (HOCU 0057, HOCU 0060, HOCU 0063, HOCU 0068) and Paint Creek downstream of Paint Creek Dam (HOCU 0053), exceeded the drinking water criterion of 6 micrograms per liter ($\mu\text{g/L}$) from 1981 through 1987. Twenty-two of these 23 concentrations also exceeded the acute freshwater criterion of 88 $\mu\text{g/L}$ from 1983 through 1987. Approximately 82 percent of the observations exceeding the criteria were reported at four stations in Paint Creek Lake (HOCU 0057, HOCU 0060, HOCU 0063, HOCU 0068) from 1981 through 1986, including the highest concentration of 300 $\mu\text{g/L}$ reported three times in Paint Creek Lake approximately one mile upstream of Paint Creek Dam (HOCU 0060) in September 1984 and December 1986.

Beryllium concentrations (including dissolved and total) were measured 305 times at six monitoring stations in Paint Creek Lake or downstream from the dam (HOCU 0053, HOCU 0057, HOCU 0060, HOCU 0063, HOCU 0065, HOCU 0068) from 1981 through 1989. Nine total concentrations, ranging from 8 $\mu\text{g/L}$ to 72 $\mu\text{g/L}$ at four stations, in Paint Creek Lake (HOCU 0057, HOCU 0063, HOCU 0068) and Paint Creek downstream of Paint Creek Dam (HOCU 0053), exceeded the drinking water criterion of 4 $\mu\text{g/L}$ from 1981 through 1989. Seven of these nine concentrations were reported at three stations in Paint Creek Lake (HOCU 0057, HOCU 0063, HOCU 0068) from 1981 through 1987, including the highest concentration of 72 $\mu\text{g/L}$ at the mouth of Rattlesnake Creek (HOCU 0068) in August 1983.

Cadmium concentrations (including dissolved and total) were measured 1,710 times at 50 monitoring stations from 1970 through 1998. Of the 1,365 observations used in the criteria analysis (see Remark Code Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 335 total observations at nine monitoring stations, in the Scioto River in or downstream of Chillicothe (HOCU 0003, HOCU 0029, HOCU 0031, HOCU 0032), Paint Creek at the Jones Levee Road Bridge (HOCU 0045), Paint Creek in or near Chillicothe (HOCU 0022, HOCU 0030, HOCU 0042), and Paint Creek Lake (HOCU 0057), exceeded the acute freshwater criterion of 3.9 $\mu\text{g/L}$ from 1972 through 1998. Two-hundred-twenty-eight of these 335 concentrations also equaled or exceeded the drinking water criterion of 5 $\mu\text{g/L}$. Approximately 93 percent of the observations exceeding the criteria were reported at three stations in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0029, HOCU 0031, HOCU 0032), including the highest concentration of 494 $\mu\text{g/L}$ (HOCU 0029) in May 1998.

Chromium concentrations (including dissolved, hexavalent, and total) were measured 1,576 times at 53 monitoring stations from 1970 through 1998. Of the 1,121 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 22 hexavalent concentrations at three stations, in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0031, HOCU 0032) and Paint Creek at the Jones Levee Road Bridge (HOCU 0045), exceeded the acute freshwater criterion of 16 $\mu\text{g/L}$ for hexavalent chromium from 1975 through 1977. Five total concentrations, ranging from 180 $\mu\text{g/L}$ to 1,648 $\mu\text{g/L}$ at three stations in the Scioto River, in Chillicothe at the Bridge Street Bridge (HOCU 0029, HOCU 0031) and downstream of Paint Creek (HOCU 0008), exceeded the drinking water criterion of 100 $\mu\text{g/L}$ from 1980 through 1997. The highest concentration of

1,648 µg/L was reported in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0029) in April 1997.

Copper concentrations (including dissolved and total) were measured 1,314 times at 51 monitoring stations from 1970 through 1998. Of the 1,301 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 746 observations at ten stations, in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0028, HOCU 0029, HOCU 0031, HOCU 0032), Paint Creek at the Jones Levee Road Bridge (HOCU 0045), Paint Creek Lake (HOCU 0057, HOCU 0060), Paint Creek in or downstream of Chillicothe (HOCU 0010, HOCU 0030), and Deer Creek at the State Route 104 Bridge (HOCU 0040), equaled or exceeded the acute freshwater criterion of 18 µg/L from 1971 through 1998. Approximately 97 percent of the observations exceeding the criterion were reported in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0028, HOCU 0029, HOCU 0031, HOCU 0032), including the highest concentration of 137 µg/L (HOCU 0029) in June 1996.

Lead concentrations (including dissolved and total) were measured 1,208 times at 51 monitoring stations from 1974 through 1998. Of the 782 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 184 observations at 14 stations equaled or exceeded the drinking water criterion of 15 µg/L from 1975 through 1998. Eighteen of these 184 observations also equaled or exceeded the acute freshwater criterion of 82 µg/L from 1979 through 1998. Approximately 93 percent of the observations exceeding the criteria were reported in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0028, HOCU 0029, HOCU 0031, HOCU 0032). The highest concentration of 170 µg/L was reported in Paint Creek at the Blain Highway Bridge (HOCU 0043) in September 1997.

Mercury concentrations (including dissolved and total) were measured 437 times at 37 monitoring stations from 1970 through 1997. One-hundred-forty-six concentrations at five stations, in Paint Creek Lake (HOCU 0057, HOCU 0063, HOCU 0064), Paint Creek downstream of Paint Creek Dam (HOCU 0053), and Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0032), equaled or exceeded the drinking water criterion of 2 µg/L from 1974 through 1979. One-hundred-thirty-six of these 146 concentrations also equaled or exceeded the acute freshwater criterion of 2.4 µg/L. Approximately 80 percent of the observations exceeding the criteria were reported at three stations in Paint Creek Lake (HOCU 0057, HOCU 0063, HOCU 0064). The highest concentration of 10 µg/L was reported six times in Paint Creek Lake (HOCU 0057) during 1974 and 1975 and twice in Paint Creek downstream of Paint Creek Dam (HOCU 0053) during 1976.

Nickel concentrations (including dissolved and total) were measured 394 times at 44 monitoring stations from 1974 through 1997. Thirteen total concentrations at five stations, in the Scioto River in or downstream of Chillicothe (HOCU 0003, HOCU 0031, HOCU 0032), Paint Creek at the Jones Levee Road Bridge (HOCU 0045), and Paint Creek upstream of North Fork (HOCU 0042), equaled the drinking water criterion of 100 µg/L from 1975 through 1980. Eight of these 13 concentrations were reported in Paint Creek at the Jones Levee Road Bridge (HOCU 0045) from 1978 through 1980.

Total silver concentrations were measured 41 times at six monitoring stations (HOCU 0031, HOCU 0032, HOCU 0045, HOCU 0053, HOCU 0057, HOCU 0058) from 1975 through 1988. Thirteen concentrations of 30 µg/L at two stations, in Paint Creek at the Jones Levee Road Bridge (HOCU 0045) and the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0032), exceeded the acute freshwater criterion of 4.1 µg/L during 1976 and 1977.

Thallium concentrations (including dissolved and total) were measured 86 times at four monitoring stations (HOCU 0053, HOCU 0057, HOCU 0063, HOCU 0065) during 1981 and 1982. Sixty-four concentrations at three stations, in Paint Creek Lake (HOCU 0057, HOCU 0065) and Paint Creek downstream of Paint Creek Dam (HOCU 0053), exceeded the drinking water criterion of 2 µg/L during 1981 and 1982. Approximately 86 percent of the observations exceeding the criterion were reported at two stations in Paint Creek Lake (HOCU 0057, HOCU 0065), including the highest concentration of 507 µg/L near Paint Creek Dam (HOCU 0057) in May 1981.

Zinc concentrations (including dissolved and total) were measured 1,878 times at 53 monitoring stations from 1970 through 1998. Of the 1,871 observations used in the criteria analysis (see Remark Code Screen in the

Methodology for explanation), 48 concentrations at nine stations, in Paint Creek Lake (HOCU 0057, HOCU 0060, HOCU 0063, HOCU 0064, HOCU 0065), Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0029, HOCU 0031), Paint Creek downstream of Paint Creek Dam (HOCU 0053), and Paint Creek at the State Route 104 Bridge downstream of the Mead Paper Company (HOCU 0022), equaled or exceeded the acute freshwater criterion of 120 µg/L from 1971 through 1998. Thirty-one of these 48 concentrations were reported at five stations in Paint Creek Lake (HOCU 0057, HOCU 0060, HOCU 0063, HOCU 0064, HOCU 0065) from 1975 through 1985, including the highest concentration of 4,210 µg/L approximately one mile upstream of Paint Creek Dam (HOCU 0060) in June 1985.

Whole water atrazine concentrations were measured 37 times at one monitoring station in the Scioto River in Chillicothe at the Bridge Street Bridge (HOCU 0029) during 1996 and 1997. Of the 29 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 12 concentrations exceeded the drinking water criterion of 3 µg/L during 1996 and 1997. The highest concentration of 16 µg/L was reported in May 1997.

The IDEA conducted for HOCU indicates that STORET data exist for all 13 Level I parameter groups in the study area. For the group Alkalinity, less than 25 percent of the observations were recorded since 1985. Overall, approximately 47 percent of the observations for Level I parameter groups were recorded since 1985. Data for three groups (Flow, Chlorophyll, and Bacteria) were recorded at less than half of the 68 monitoring stations. Relative to other parameter groups, data were limited for the group Bacteria. Results for 91 of the 126 EPA priority toxic pollutants (consisting of inorganic and organic parameters, metals, and pesticides) were retrieved from STORET.

Surface water resources in the HOCU study area include the Scioto River; Paint, North Fork Paint, Deer, Kinnikinnick, and numerous other creeks and runs; Paint Creek Lake, Ross Lake, and other reservoirs; some ponds; and a few springs. No surface water quality data were collected within the park boundaries. The data inventories and analyses contained in this report indicate that surface waters within the study area appear to have been very impacted by human activities. Potential anthropogenic sources of contaminants include municipal and industrial wastewater discharges; stormwater runoff; sand and gravel pit operations; agricultural activities; recreational use; and atmospheric deposition.

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INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;
2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;
4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;
5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and
6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+¹ format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses² and with the Servicewide Inventory and

¹The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

²The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Mike Matz coordinated and managed the team which prepared all components of the report.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Clint Bassett, Amy Benton, Josh Johnson, and Padraig Gallagher helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, Bill Folsom, Scott Ratchford, Jeff Ketcham, Valdete Celaj, Sonny Emmert, Matt Kunze, Chris Woodward, Nils Babel, and Greg Johnson provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, J. Chris Echohawk, Curtis Cooper, Mary Beth Talty, Rich Henderson, Kristie Maczko, Ryan Shy, Margaret Matter, Lisa Dummer, Adriane Petersen, Ronda Burns, Eric Janney, Aria Brissette, Shawndra Mawhorter, Melanie Schnier, and John Carillo uploaded water quality data to STORET prior to report preparation.

Jacque Nolan designed the cover.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Vequist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STorage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

- (1) Reformat the data into DBASE III+ format and other database structures;
- (2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
- (3) Display on a map the location of water quality monitoring stations and other water resources themes;
- (4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
- (5) Generate descriptive period-of-record water quality statistics in a tabular format;
- (6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
- (7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
- (8) Compare the water quality data against relevant EPA national criteria; and

- (9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

- (A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.
- (B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.
- (C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.
- (D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.
- (E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.
- (F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.
- (G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied.* Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):							
Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval

- (a) STREAM
- (b) CANAL
- (c) LAKE
- (d) RESERV (Reservoir)
- (e) SPRING
- (f) FWTLND (Fresh Water Wetland)
- (g) SWTLND (Salt Water Wetland)
- (h) ESTURY (Estuary)
- (i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

<u>Code</u>	<u>STORET Administrative Parameter Description</u>
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

<u>Media Screen</u>	<u>Description</u>
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:

Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:	
Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value.

Modification/Inclusion:

Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:	
Remark Code	Description of STORET Remark Code
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes	
Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
\$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots	
STORET Parameter Code	STORET Parameter Description
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

<p>Time Series:</p> <p>To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations.</p> <p>Annual Analysis:</p> <p>To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

<p>Annual Analysis:</p> <p>For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.</p> <p>Seasonal Analysis:</p> <p>For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.</p>
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Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

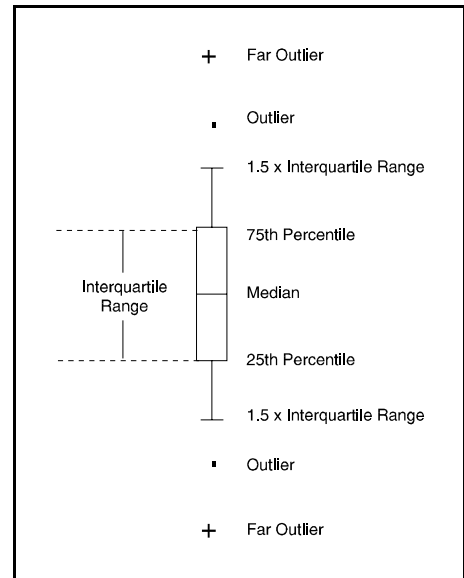
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

- (1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

- (2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.
- (3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from $\mu\text{eq/l H}^+$; and (3) $\mu\text{eq/l H}^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu\text{eq/l H}^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu\text{eq/l H}^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program

Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

<p><u>Required Parameter Groups:</u></p> <p>(1) Alkalinity</p> <p>(2) pH</p> <p>(3) Conductivity</p> <p>(4) Dissolved Oxygen</p> <p>(5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates)</p> <p>(6) Temperature</p> <p>(7) Flow</p> <p><u>Case-By-Case Parameters Groups:</u></p> <p>(8) Toxic Elements</p> <p>(9) Clarity/Turbidity</p> <p>(10) Nitrate/Nitrogen</p> <p>(11) Phosphate/Phosphorus</p> <p>(12) Chlorophyll</p> <p>(13) Sulfates</p> <p>(14) Bacteria</p>

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR HOCU

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	<u>Study Area</u>	<u>Park</u>
GIS Estimated Acreage:	217240	1114
# STORET Stations:	68	0
# Stations With No Data:	0	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	26	0
Date of STORET Retrieval:	12/17/99	12/17/99
Period of Record:	12/10/56-09/08/98	No Data in Park
# Parameters Measured:	654	0
# Water Quality Observations:	111946	0
# Industrial/Municipal Facilities:	17	0
# Drinking Water Intakes:	2	0
# Water Gages:	11	0
# Water Impoundments:	7	0
# Total Plots:	172	0
# Time Series:	64	0
# Annual:	63	0
# Seasonal:	45	0

Hydrologic Definition of Seasons:

1. September 1 - October 31
2. November 1 - March 15
3. March 16 - August 31

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 18 years and at least 104 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 8 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

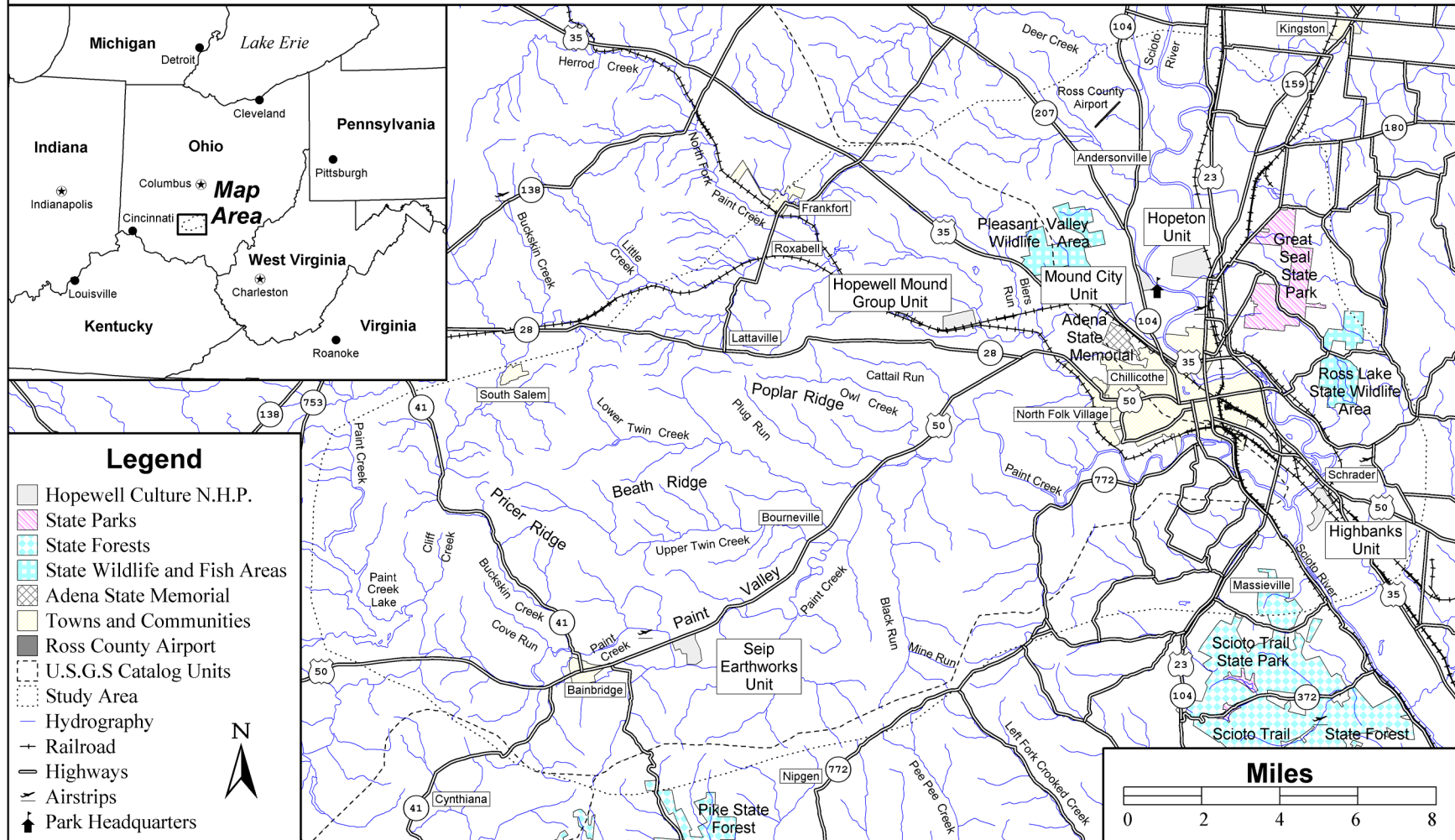
Seasonal Analysis Criteria:

To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 22 years and observations in at least 4 of the 22 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

Hopewell Culture National Historical Park

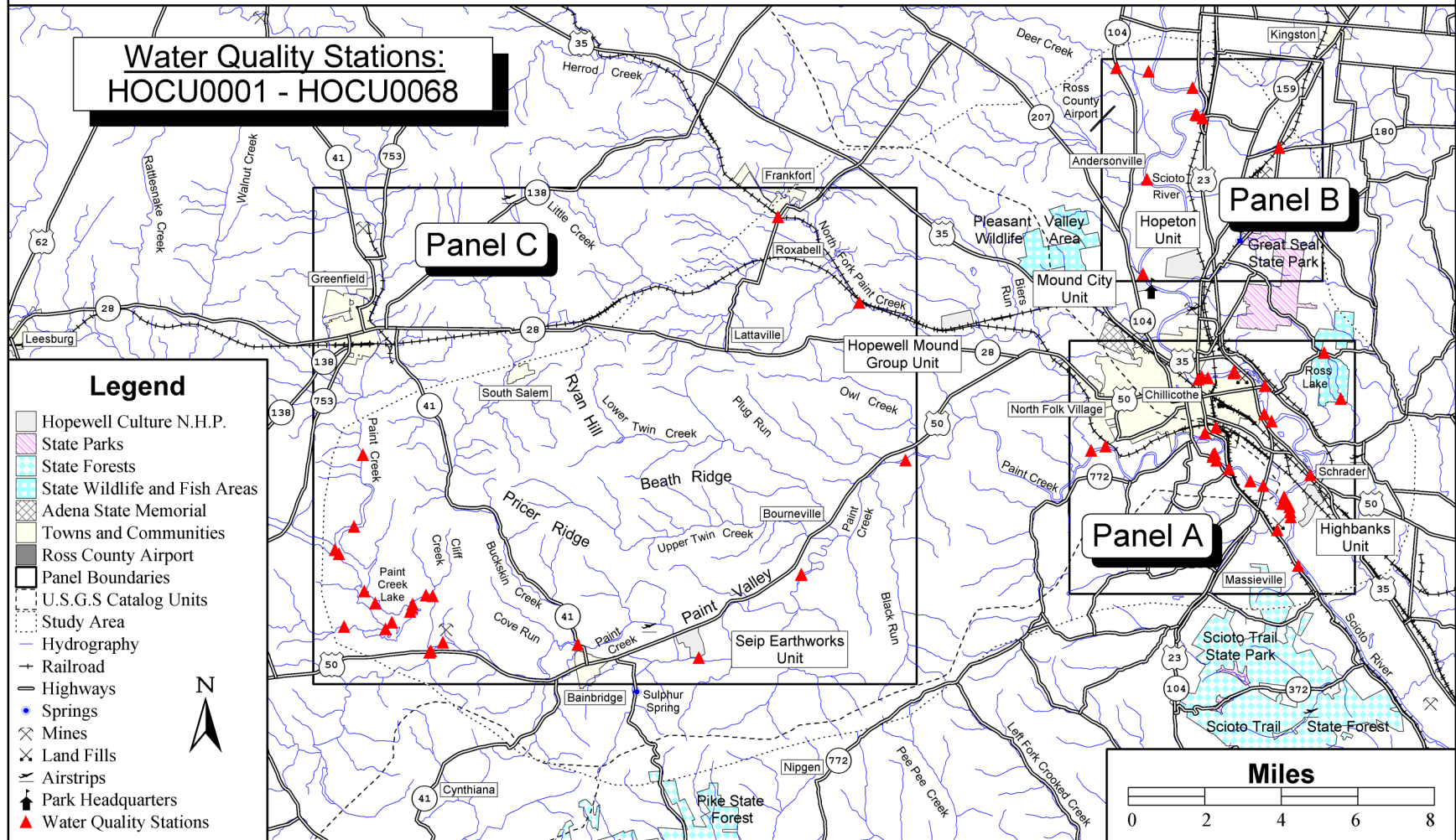
Regional Location Map



Hopewell Culture National Historical Park

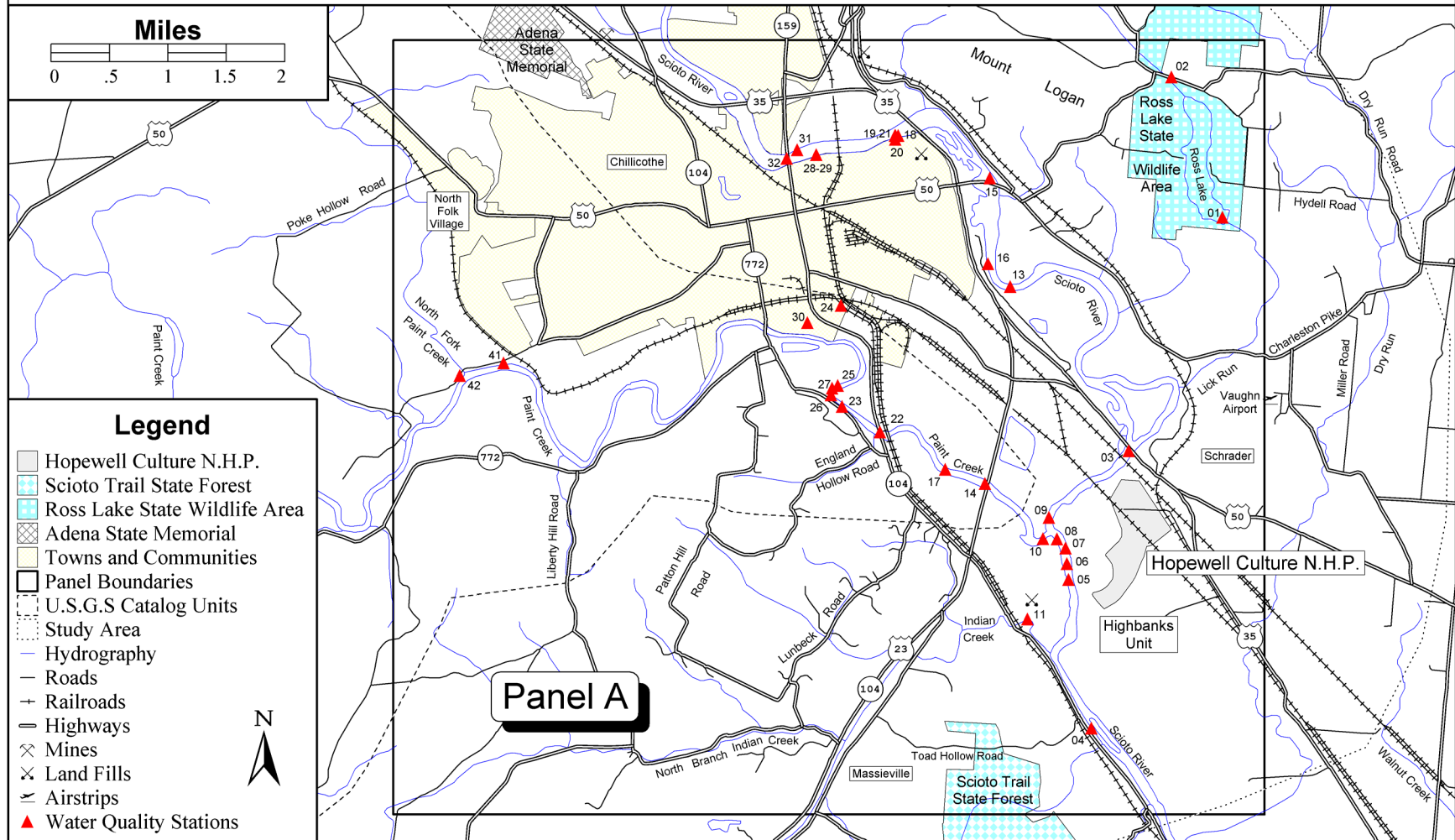
Water Quality Monitoring Locations

Graphic Panel Index



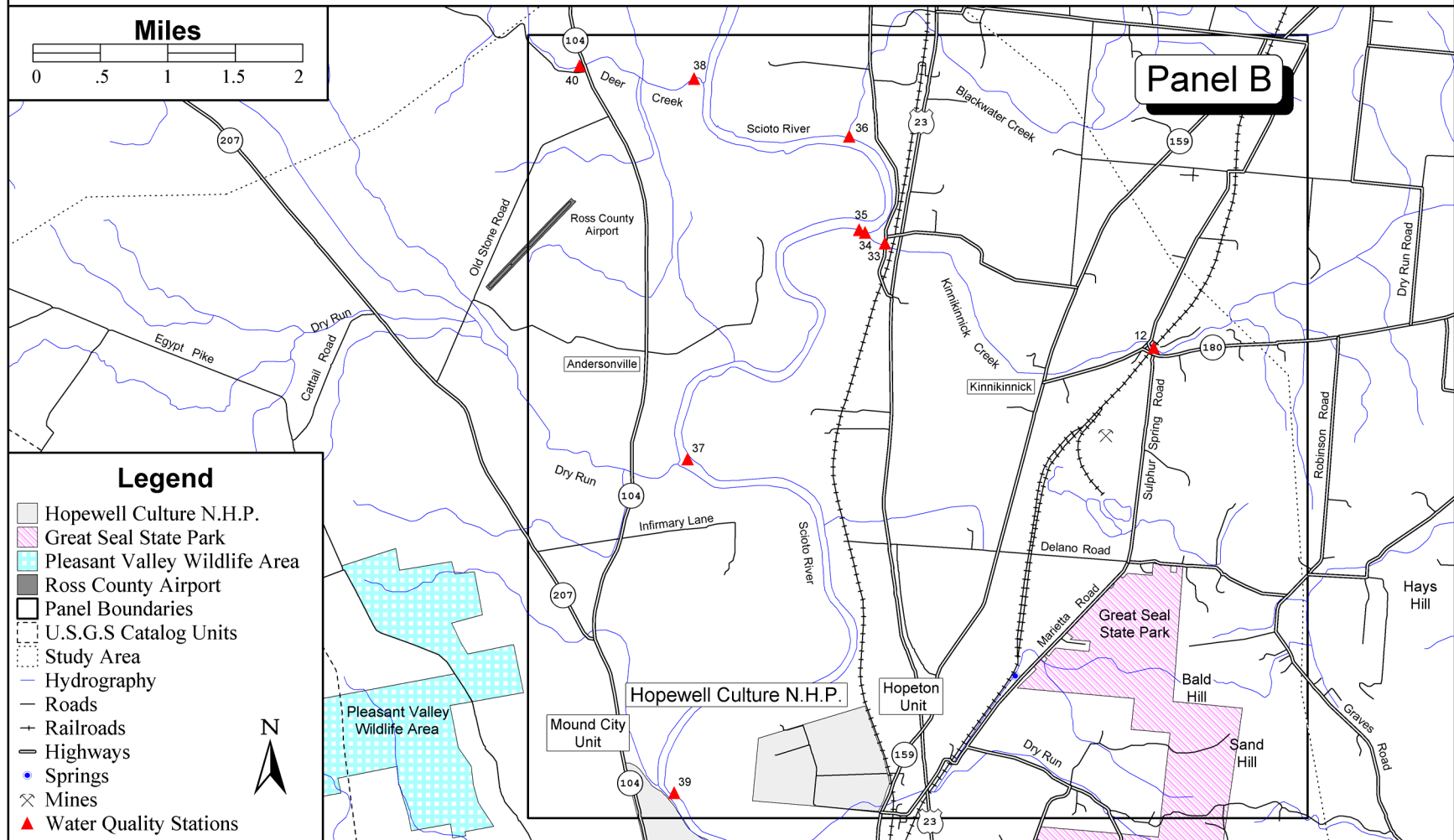
Hopewell Culture National Historical Park

Water Quality Monitoring Locations



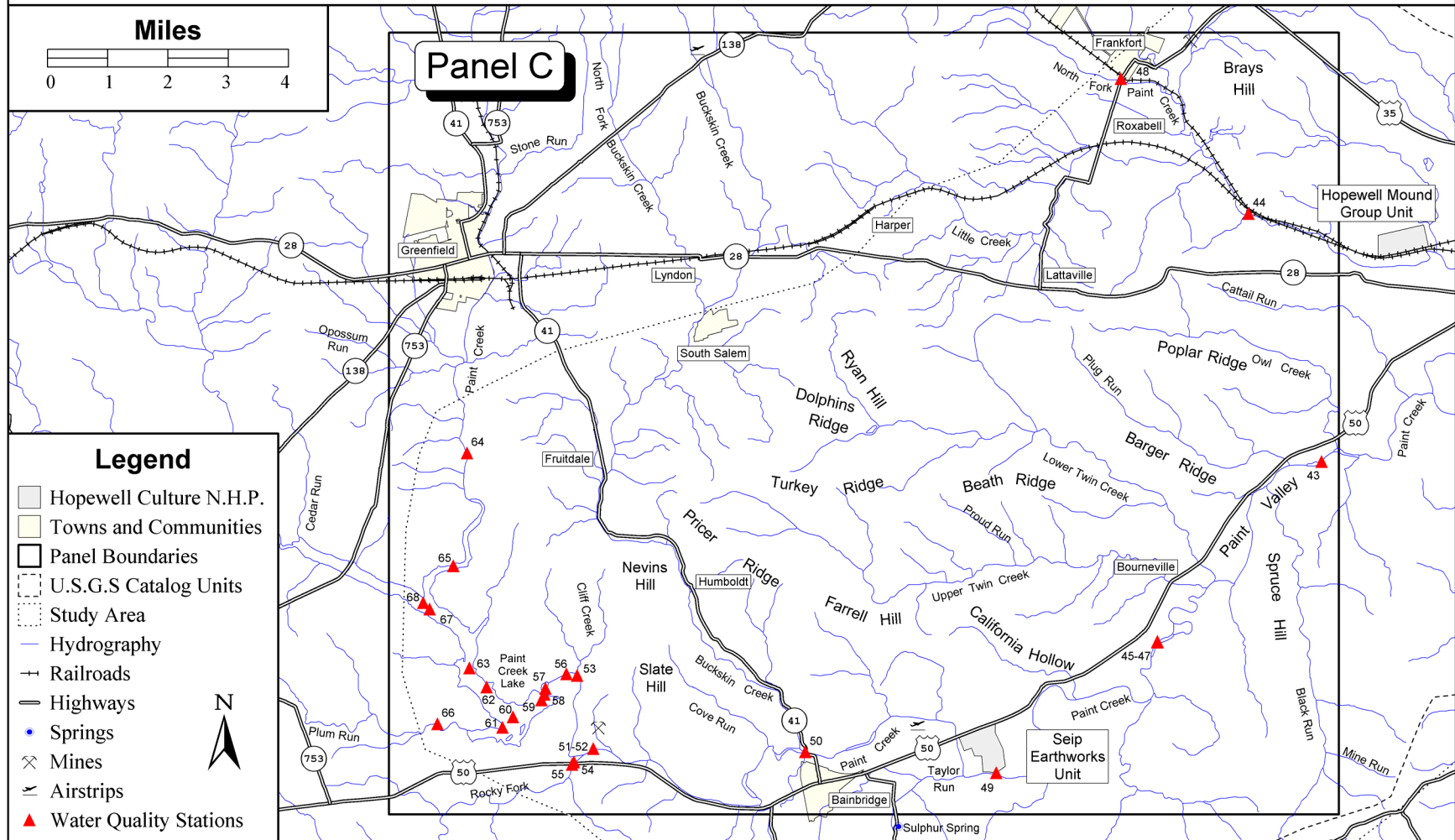
Hopewell Culture National Historical Park

Water Quality Monitoring Locations



Hopewell Culture National Historical Park

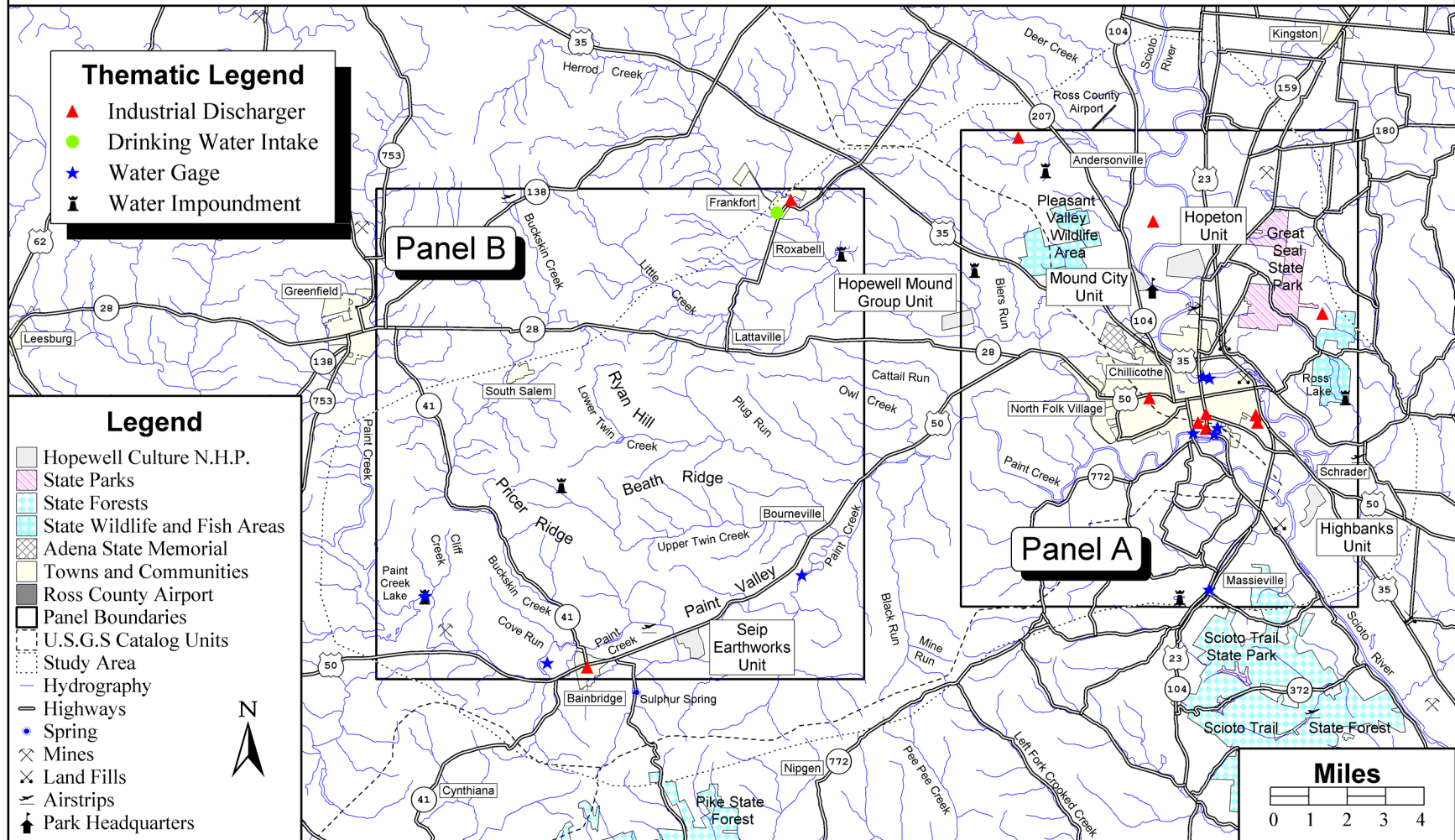
Water Quality Monitoring Locations



Hopewell Culture National Historical Park

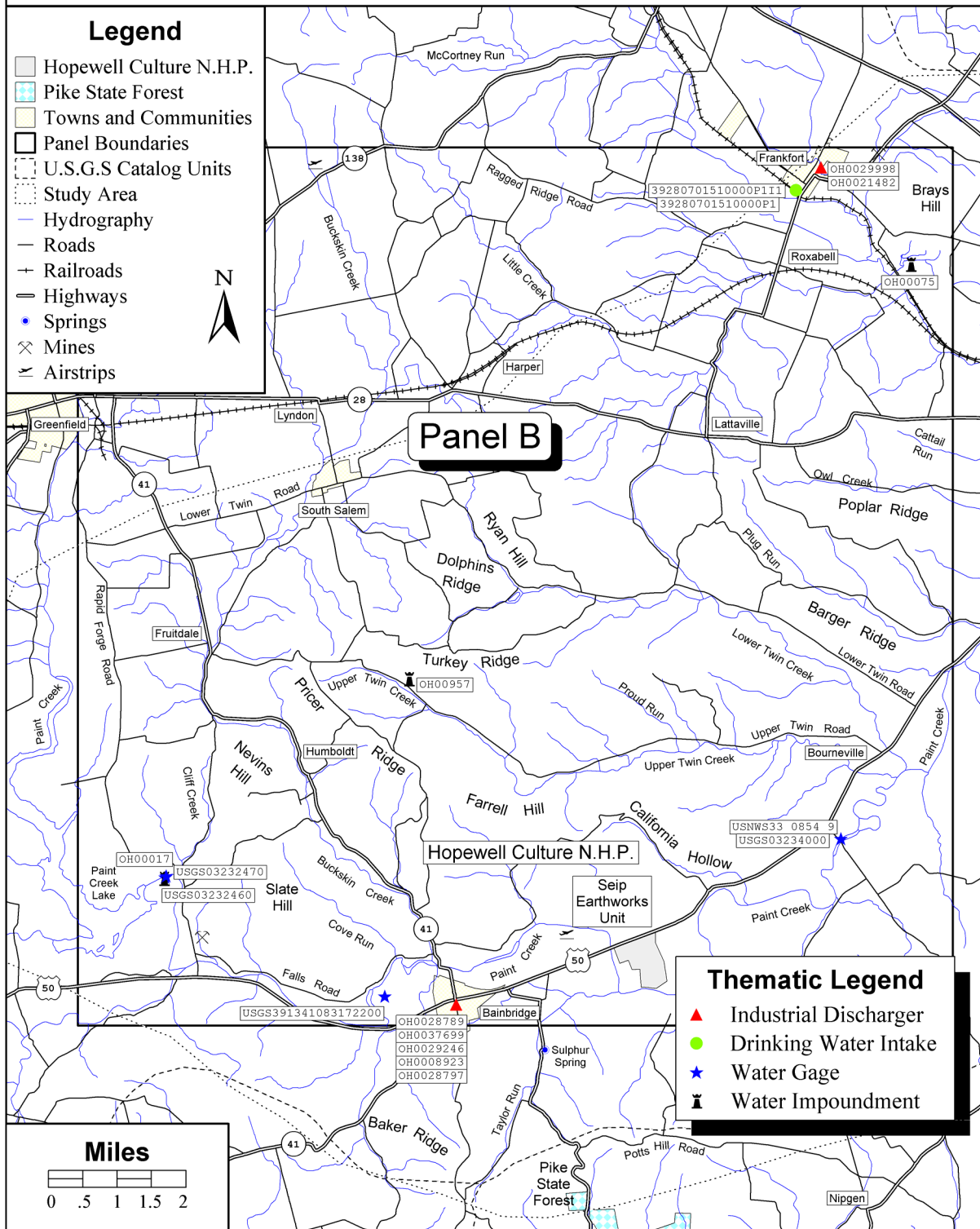
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



Hopewell Culture National Historical Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the HOCU Study Area

Industrial Facility Discharges

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>Address</u>	<u>City</u>	<u>Facility Receiving Water Name</u>
OH0004481	THE MEAD CORPORATION	P O BOX 2500	CHILLCOTHE	PAINT C/SCIOTO R
OH0008923	HIGHLAND CO. WATER CO., INC	.....	BAINBRIDGE	UNNAMED DITCH TO
OH0021482	FRANKFORT, VILLAGE OF	BOARD OF PUBLIC AFFAIRS	FRANKFORT	NORTH FORK PAINT
OH0024406	CHILLCOTHE, CITY OF	S REMICK AVE	CHILLCOTHE	SCIOTO RIVER
OH0024431	CHILLCOTHE, CITY OF	MAYOR AND COUNCIL	CHILLCOTHE	PAINT CREEK
OH0028789	GEAUGA CO. RAVENWOOD STP	GEAUGA SANITARY ENGR	CHARDON	CHAGRIN RIVER
OH0028797	GEAUGA CO. KNOWLES IND. PK.	GEAUGA CO SANITARY ENGR	CHARDON	CHAGRIN RIVER
OH0029246	BAINBRIDGE VILLAGE OF	.....	BAINBRIDGE	UNKNOWN
OH0029947	CHILLCOTHE WATER TREATMENT PL	.....	CHILLCOTHE	..
OH0029998	FRANKFORT WATER TREATMENT PLAN	.....	FRANKFORT	..
OH0034851	NORTH FORK SWG DISPOSAL CO	.....	CHILLCOTHE	..
OH0037699	OHIO DEPT OF NAT RESOURCES	PIKE LAKE ST PK	BAINBRIDGE	RICHARDSON HOLLO
OH0050491	PLEASANT VALLEY REGIONAL SD	BOARD OF TRUSTEES	CHILLCOTHE	SCIOTO RIVER
OH0050601	WEST PENN REALTY CO	CHILLCOTHE MALL SHOP CEN	CHILLCOTHE	SCIOTO RIVER
OH0050636	CAROUSEL INC	CAROUSEL TRAILOR PARK	CHILLCOTHE	KINNIKINNICK CRE
OH0050903	PLEASANT VALLEY REGIONAL SD	RUSTIC ACRES SUBDIVISION	CHILLCOTHE	WORTHINGTON RUN
OH0050911	PLEASANT VALLEY REGIONAL SD	.....	CHILLCOTHE	NORTH FORK PAINT

Drinking Water Intakes

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>City</u>	<u>Population Served</u>	<u>Avg. Daily Production (Gal./Day)</u>
39280701510000P1	TREATMENT PLANT	FRANKFORT	59	
39280701510000P1I1	CISTERN	FRANKFORT	59	

Water Gages

<u>Site ID</u>	<u>Station Name</u>	<u>Site Type</u>	<u>Drainage Area (Square Miles)</u>	<u>Begin Year</u>	<u>End Year</u>
USGS03231500	SCIOTO R AT CHILLCOTHE OH	Stream	3849.00	1921	1999
USGS03232460	PAINT CREEK LK NR BA	Lake	570.00		
USGS03232470	PAINT C NR BAINBRIDGE OH	Stream	570.00	1968	1992
USGS03234000	PAINT C NR BOURNEVILLE OH	Stream	807.00	1924	1995
USGS03234100	INDIAN C AT MASSIEVI	Stream	960.00		
USNWS33 0854 9	BOURNEVILLE ISW OHIO	Stream	807.00		
USNWS33 1523 9	CHILLCOTHE OHIO ON	Stream	3849.00		
USGS03234300	PAINT C AT CHILLCOTHE OH	Stream		1986	1995
USGS391341083172200	RO-7 HIGHLAND COUNTY WTR CO AT BAINBRIDGE OH	Well			
USGS391913082580500	RO-8 MEAD PAPER CORP AT CHILLCOTHE OH	Well			
USGS391922082580000	RO-3 MEAD CORP AT CHILLCOTHE OH	Well			

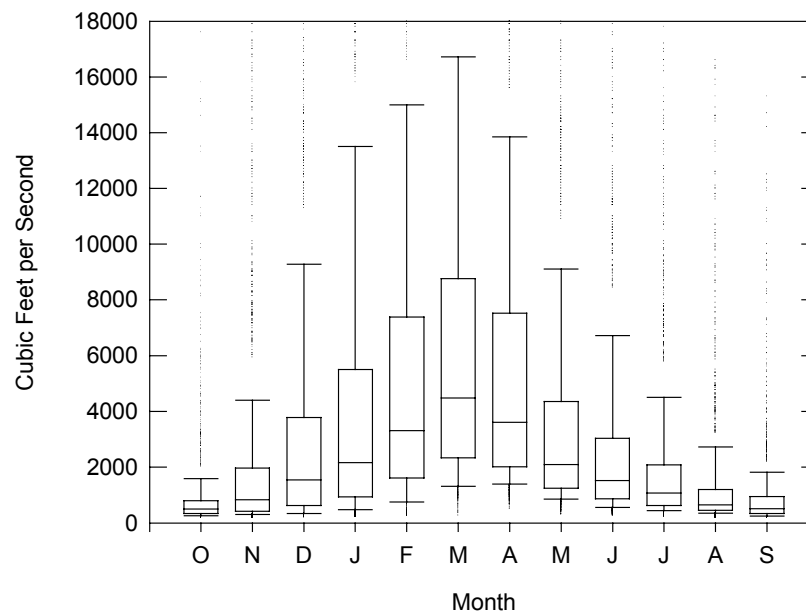
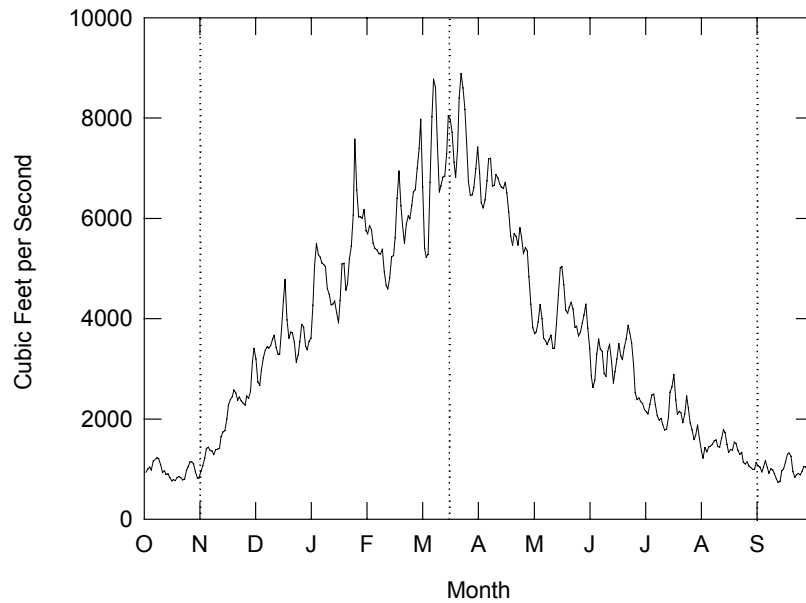
**Industrial Facility Discharges, Drinking Water Intakes,
Water Gages, and Water Impoundments Within the HOCU Study Area**

Water Impoundments

<u>Site ID</u>	<u>Impoundment Name</u>	<u>Owner</u>	<u>Primary Purpose</u>	<u>Type of Dam</u>	<u>Downstream Hazard</u>	<u>Year Completed</u>
OH00017	PAINT CREEK DAM	DAEN ORH	Flood	Other	High	1973
OH00022	SUN VALLEY LAKE DAM	HERMAN SCAGGS	Rec.	Earth	Significant	1955
OH00075	LAKE HILL DAM	JERRY DOMO	Rec.	Earth	High	1955
OH00076	RUSTIC ACRES LAKE DAM	MACK BOYER + SONS, INC.	Rec.	Earth	Significant	1973
OH00443	ROSS LAKE DAM	ODNR, DIV. OF WILDLIFE	Rec.	Earth	High	1967
OH00773	KNOLES POND DAM	CHARLES (BUZZ) KNOLES	Rec.	Earth	High	1966
OH00957	CRAWLEY LAKE DAM	LINDA CRAWLEY	Rec.	Earth	Significant	1965

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

HOPEWELL CULTURE NATIONAL HISTORICAL PARK
Scioto River at Chillicothe, OH
03231500, 74 year record



Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Hopewell Culture National Historical Park are: Sep. 1 to Oct. 31, Nov. 1 to Mar. 15, and Mar. 16 to Aug. 31.

CONTACTS FOR AGENCY CODES RETRIEVED FOR HOCU

<u>AGENCY</u>	<u>PRIMARY CONTACT NAME</u>	<u>ORGANIZATION</u>	<u>PHONE NUMBER(S)</u>
11COEHUN	MARCHESE, VINCE	COE HUNTINGTON DIST	(304)576-3302
21OHIO	SILAGY, MARY ANN	OHIO EPA	(614)644-2891
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624
11BIOACC	KRONER, STEVE	U.S. EPA MDSD	(202)260-4761
31HEIDRV	BAKER, DAVID	HEIDELBERG COLLEGE (OHIO)	(419)448-2201 (419)448-2226

QUANTITY OF DATA RETRIEVED FOR HOCU BY AGENCY CODE
WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK

Agency	Organization	Period of Record		Water Quality Stations		Longer Term ¹ Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	Park Only	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park
11COEHUN	COE HUNTINGTON DIST	07/26/73-11/19/96	No Data in Park	17	0	6	0	0	0	52834	0	338	0
21OHIO	OHIO EPA	09/21/67-10/22/97	No Data in Park	41	0	15	0	0	0	28452	0	316	0
112WRD	US GEOLOGICAL SURVEY	12/10/56-08/10/79	No Data in Park	8	0	4	0	0	0	7775	0	110	0
11BIOACC	U.S. EPA MDSD	09/16/85-09/17/85	No Data in Park	1	0	0	0	0	0	129	0	64	0
31HEIDRV	HEIDELBERG COLLEGE (OHIO)	04/23/96-09/08/98	No Data in Park	1	0	1	0	0	0	22756	0	47	0
Totals		12/10/56-09/08/98	No Data in Park	68	0	26	0	0	0	111946	0	654	0

¹Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75
HOCU0001	ROSS LK AB DAM (L-1) NR CHILLICOTHE OH	No	190	0	190	0
HOCU0002	LICK RN AB ROSS LK (I-1) NR CHILLICOTHE OH	No	33	0	33	0
HOCU0003 ¹	SCIOTO R. DST CHILLICOTHE - U.S. RT. 35	No	5552	1941	2440	1171
HOCU0004	SCIOTO R. SE OF CHILLICOTHE-2.2 MI. DST PAINT CR	No	7	7	0	0
HOCU0005	SCIOTO R. 0.5 MI DST CONFL PAINT CREEK	No	41	0	41	0
HOCU0006	SCIOTO RIVER DST OF PAINT CREEK (63.25)	No	21	21	0	0
HOCU0007	SCIOTO RIVER @ CHILLICOTHE	No	129	129	0	0
HOCU0008 ¹	SCIOTO R. DST CONFL PAINT CREEK (RM 63.40)	No	416	416	0	0
HOCU0009	SCIOTO RIVER 0.1 MI UPST PAINT CREEK (63.6)	No	21	21	0	0
HOCU0010 ¹	PAINT CREEK NR CHILLICOTHE - AT MOUTH (RM 0.1)	No	435	435	0	0
HOCU0011	INDIAN CREEK 2.5 MI NE OF MASSIEVILLE - AT MOUTH	No	20	0	20	0
HOCU0012	KINNIKINNICK CREEK E OF KINNIKINNICK - RR BRIDGE	No	28	28	0	0
HOCU0013 ¹	SCIOTO R. 0.3 MILES DST CHILLICOTHE E. WWTP	No	243	243	0	0
HOCU0014	PAINT CREEK NEAR MOUTH - U.S. RT. 23	No	75	75	0	0
HOCU0015	SCIOTO R AT CHILLICOTHE - MAIN ST/U.S. RT. 50	No	10	10	0	0
HOCU0016	SCIOTO R. DST CHILLICOTHE E. WWTP - MIXING ZONE	No	105	105	0	0
HOCU0017	PAINT CREEK UPST U.S. RT. 23 AT RM 1.2	No	230	230	0	0
HOCU0018	SCIOTO RIVER AT CHILLICOTHE OHIO OH	No	37	0	37	0
HOCU0019	SCIOTO RIVER AT CHILLICOTHE OHIO OH	No	5	0	5	0
HOCU0020	SCIOTO RIVER AT CHILLICOTHE OHIO OH	No	38	0	38	0
HOCU0021	SCIOTO RIVER AT CHILLICOTHE OHIO OH	No	37	0	37	0
HOCU0022 ¹	PAINT CRK DST MEAD PAPER CO.- S.R. 104 (RM 1.89)	No	2525	523	1407	595
HOCU0023	PAINT CREEK DST MEAD PAPER	No	119	119	0	0
HOCU0024	RO-3 MEAD CORP AT CHILLICOTHE OH	No	36	0	36	0
HOCU0025	PAINT CREEK UPST MEAD PAPER - CHILLICOTHE (2.56)	No	20	20	0	0
HOCU0026	PAINT CREEK DST MEAD PAPER - CHILLICOTHE (2.45)	No	21	21	0	0
HOCU0027 ¹	PAINT CREEK DST MEAD PAPER 001 - MIXING ZONE	No	317	317	0	0
HOCU0028 ¹	SCIOTO R AT CHILLICOTHE OH	No	3177	0	237	2940
HOCU0029 ¹	SCIOTO RIVER AT CHILLICOTHE OH	No	22756	22756	0	0
HOCU0030 ¹	PAINT CREEK AT CHILLICOTHE - S.R. 772	No	944	888	56	0
HOCU0031 ¹	SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (RM 70.92)	No	7076	2334	3222	1520
HOCU0032 ¹	SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (RM 70.92)	No	745	23	670	52
HOCU0033 ¹	KINNIKINNICK C NR KINNIKINNICK OH	No	116	0	0	116
HOCU0034 ¹	SCIOTO R. UPST CONFL KINNIKINNICK CREEK RM=83.0	No	257	216	41	0
HOCU0035	KINNIKINNICK CREEK 4 MI SW OF KINGSTON - AT MOUTH	No	22	0	22	0
HOCU0036	BLACKWATER CREEK 4 MI WSW OF KINGSTON - AT MOUTH	No	21	0	21	0
HOCU0037	SCIOTO R. NEAR ANDERSONVILLE - MOUTH OF DRY RUN	No	175	175	0	0
HOCU0038	DEER CREEK NR ANDERSONVILLE - AT MOUTH	No	16	0	16	0
HOCU0039	SCIOTO R. UPST CHILLICOTHE - N OF MOUND CITY	No	170	170	0	0
HOCU0040 ¹	DEER CREEK NR ANDERSONVILLE - S.R. 104 (RM 1.05)	No	5385	1168	2982	1235
HOCU0041 ¹	PAINT CREEK DST N. FORK/DST PLEASANT VALLEY WWTP	No	285	285	0	0
HOCU0042 ¹	PAINT CREEK JUST UPST CONFL NORTH FORK	No	336	281	55	0
HOCU0043	PAINT CREEK NE OF BOURNEVILLE - BLAIN HIGHWAY	No	143	143	0	0
HOCU0044	N. FK. PAINT CR DST FRANKFORT- MUSSELMAN HILL RD	No	9	9	0	0
HOCU0045 ¹	PAINT CREEK NR BOURNEVILLE - JONES LEVEE RD.	No	1625	217	1408	0
HOCU0046	Paint Creek, Boumeville Gage	No	479	479	0	0
HOCU0047 ¹	PAINT C NR BOURNEVILLE OH	No	3389	0	236	3153
HOCU0048	N FK PAINT CR UPST FRANKFORT WWTP- DAVIS HILL RD	No	7	7	0	0
HOCU0049	PAINT CREEK S OF DILLS - END OF DILLS RD.	No	176	176	0	0
HOCU0050 ¹	PAINT CREEK N OF BAINBRIDGE - S.R. 41	No	279	279	0	0
HOCU0051 ¹	PAINT CREEK DST CONFL ROCKY FORK - FORGE RD.	No	176	176	0	0
HOCU0052	PAINT CK OF SCIOTO RIVER OH	No	30	0	30	0
HOCU0053 ¹	Outflow of Paint Creek Lake	No	3935	1760	2003	172
HOCU0054	ROCKY FORK NEAR MOUTH - ADJ ST. RT. 50	No	132	132	0	0
HOCU0055	ROCKY FORK OF PAINT CK. OH	No	36	0	36	0
HOCU0056 ¹	PAINT C NR BAINBRIDGE OH	No	581	0	236	345
HOCU0057 ¹	Paint Creek Lake, Main Lake Station	No	20405	5716	14576	113
HOCU0058	PAINT CREEK LK AB DAM NR BAINBRIDGE OH	No	253	0	253	0
HOCU0059	PAINT CREEK LAKE L-1	No	139	139	0	0
HOCU0060 ¹	PAINT CREEK RESERVOIR OH	No	9749	5913	3836	0
HOCU0061	PAINT CK LAKE OH	No	30	0	30	0
HOCU0062	PAINT CREEK RESERVOIR OH	No	1252	0	1247	5
HOCU0063 ¹	Paint Creek Lake, Middle Lake	No	7715	2268	5447	0
HOCU0064	PAINT CK RESERVOIR	No	192	22	165	5
HOCU0065 ¹	Paint Creek Lake, Paint Creek arm	No	4340	1627	2713	0
HOCU0066	PLUM RUN OF PAINT CK	No	29	0	29	0
HOCU0067	PAINT CREEK LAKE L-2	No	128	128	0	0
HOCU0068 ¹	PAINT CREEK RESERVOIR OH	No	4525	3080	1445	0

¹Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation From 12/10/56 To 09/08/98

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	5533	2160	3352	21	30	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7812	2261	4366	1185	58	0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	425	244	172	9	14	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	2	0	2	0	2	0
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	8	0	8	0	3	0
00031	LIGHT, INCIDENT, PERCENT REMAINING AT CERTAIN DEPTH	699	181	515	3	8	0
00049	SURFACE AREA IN SQUARE MILES	21	0	0	21	1	0
00060	FLOW, STREAM, MEAN DAILY CFS	352	0	0	352	4	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	1761	955	447	359	11	0
00065	STAGE, STREAM (FEET)	51	28	23	0	4	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	48	0	47	1	7	0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	2418	909	1506	3	8	0
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	457	0	447	10	8	0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	206	114	92	0	10	0
00080	COLOR (PLATINUM-COBALT UNITS)	9	0	9	0	3	0
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	2821	1314	1507	0	10	0
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	1648	173	1475	0	38	0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	7340	3763	2544	1033	44	0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	8173	2964	4350	859	48	0
00300	OXYGEN, DISSOLVED MG/L	114	0	56	58	6	0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	112	0	54	58	5	0
00310	BOD, 5 DAY, 20 DEG C MG/L	3503	1105	1763	635	37	0
00319	BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	4	4	0	0	4	0
00340	COD, .25N K2CR2O7 MG/L	333	185	121	27	27	0
00343	OXYGEN DEMAND, TOTAL MG/L	832	224	448	160	1	0
00400	PH (STANDARD UNITS)	4917	1982	2567	368	52	0
00403	PH, LAB, STANDARD UNITS SU	3494	987	1772	735	20	0
00405	CARBON DIOXIDE (MG/L AS CO2)	59	0	26	33	7	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1102	432	307	363	42	0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	16	0	15	1	3	0
00440	BICARBONATE ION (MG/L AS HCO3)	380	0	26	354	7	0
00445	CARBONATE ION (MG/L AS CO3)	378	0	26	352	7	0
00495	MOISTURE CONTENT (PERCENT OF TOTAL DRY WEIGHT)	1	1	0	0	1	0
00500	RESIDUE, TOTAL (MG/L)	572	232	307	33	17	0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	104	0	104	0	4	0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	384	226	158	0	13	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	1797	1359	370	68	41	0
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL, REC., MG/L	12	0	12	0	3	0
00600	NITROGEN, TOTAL (MG/L AS N)	10	0	10	0	4	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	8	0	8	0	3	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	65	65	0	0	4	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	2041	1441	576	24	57	0
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	927	927	0	0	1	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	252	77	127	48	31	0
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	58	0	0	58	4	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	71	10	25	36	13	0
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	70	70	0	0	5	0
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	2045	1473	555	17	55	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1123	545	514	64	55	0
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	1000	1000	0	0	5	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	24	0	8	16	7	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	26	0	26	0	2	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	2529	1556	877	96	50	0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	515	114	397	4	12	0
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	911	911	0	0	1	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	717	509	201	7	35	0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	362	361	1	0	7	0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	268	267	0	1	2	0
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	271	271	0	0	1	0
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	38	4	34	0	3	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1167	353	440	374	53	0
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	361	0	19	342	5	0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	159	6	132	21	11	0
00916	CALCIUM, TOTAL (MG/L AS CA)	1491	1045	432	14	47	0
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	1	1	0	0	1	0
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	5	5	0	0	5	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	159	6	132	21	11	0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1470	1047	419	4	47	0
00929	SODIUM, TOTAL (MG/L AS NA)	1379	986	393	0	36	0
00930	SODIUM, DISSOLVED (MG/L AS NA)	141	6	132	3	11	0
00931	SODIUM ADSORPTION RATIO	23	0	20	3	5	0

Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Parameter	Total	01/01/85 to	01/01/75 to	Before	Stations		
Code	Obs	09/08/98	12/31/84	01/01/75	Total	Park	
00932	SODIUM, PERCENT	23	0	20	3	5	0
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	1	1	0	0	1	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	141	6	132	3	11	0
00937	POTASSIUM, TOTAL MG/L AS K)	1248	873	375	0	31	0
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	1	1	0	0	1	0
00940	CHLORIDE,TOTAL IN WATER MG/L	2170	1259	464	447	52	0
00945	SULFATE, TOTAL (MG/L AS SO4)	2077	1240	458	379	48	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	351	0	34	317	8	0
00951	FLUORIDE, TOTAL (MG/L AS F)	85	79	0	6	22	0
00955	SILICA, DISSOLVED (MG/L AS SI02)	956	927	26	3	7	0
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	36	0	32	4	2	0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	4	1	3	0	4	0
01002	ARSENIC, TOTAL (UG/L AS AS)	278	243	35	0	38	0
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	9	9	0	0	9	0
01005	BARIUM, DISSOLVED (UG/L AS BA)	113	1	112	0	6	0
01007	BARIUM, TOTAL (UG/L AS BA)	923	797	126	0	12	0
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	8	8	0	0	8	0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	112	0	112	0	6	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	193	82	111	0	6	0
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	1	1	0	0	1	0
01022	BORON, TOTAL (UG/L AS B)	1	0	1	0	1	0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	197	1	184	12	12	0
01027	CADMIUM, TOTAL (UG/L AS CD)	1513	1166	320	27	50	0
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	13	13	0	0	10	0
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	13	13	0	0	10	0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	230	1	217	12	12	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	1314	930	365	19	53	0
01037	COBALT, TOTAL (UG/L AS CO)	1	0	1	0	1	0
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	1	1	0	0	1	0
01040	COPPER, DISSOLVED (UG/L AS CU)	84	1	71	12	9	0
01042	COPPER, TOTAL (UG/L AS CU)	1230	973	227	30	51	0
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	13	13	0	0	10	0
01045	IRON, TOTAL (UG/L AS FE)	1548	1077	456	15	41	0
01046	IRON, DISSOLVED (UG/L AS FE)	415	20	392	3	16	0
01049	LEAD, DISSOLVED (UG/L AS PB)	66	1	65	0	8	0
01051	LEAD, TOTAL (UG/L AS PB)	1142	930	200	12	51	0
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	13	13	0	0	10	0
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	2	2	0	0	2	0
01055	MANGANESE, TOTAL (UG/L AS MN)	1477	1025	407	45	40	0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	410	20	387	3	15	0
01057	THALLIUM, DISSOLVED (UG/L AS TL)	48	0	48	0	4	0
01059	THALLIUM, TOTAL (UG/L AS TL)	38	0	38	0	4	0
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	1	0	1	0	1	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	18	1	17	0	7	0
01067	NICKEL, TOTAL (UG/L AS NI)	376	253	113	10	44	0
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	13	13	0	0	10	0
01077	SILVER, TOTAL (UG/L AS AG)	41	1	40	0	6	0
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	1	1	0	0	1	0
01082	STRONTIUM, TOTAL (UG/L AS SR)	723	723	0	0	4	0
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	1	1	0	0	1	0
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	1	1	0	0	1	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	317	0	305	12	12	0
01092	ZINC, TOTAL (UG/L AS ZN)	1561	1092	450	19	53	0
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	13	13	0	0	10	0
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	112	0	112	0	6	0
01097	ANTIMONY, TOTAL (UG/L AS SB)	147	40	107	0	6	0
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	1	1	0	0	1	0
01102	TIN, TOTAL (UG/L AS SN)	26	0	26	0	2	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	1115	934	181	0	36	0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	169	0	169	0	10	0
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	1	1	0	0	1	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	4	1	3	0	4	0
01147	SELENIUM, TOTAL (UG/L AS SE)	155	137	18	0	27	0
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	2	2	0	0	2	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	8	8	0	0	8	0
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	32	0	24	8	4	0
01501	ALPHA, TOTAL	1	0	1	0	1	0
03501	BETA, TOTAL	1	0	1	0	1	0
03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	1	1	0	0	1	0
03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0

**Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
03644	BENZO(A)ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03645	BENZO(B)FLUORANTHENE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03646	BENZ(K)FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03647	BENZO(GHI)PERYLENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03649	BIS(2-CHLOROETHOXY)METHANE, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03650	BIS(2-CHLOROETHYL)ETHER, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03651	BIS(2-CHLOROISOPROPYL)ETHER, LIQ FRAC, ELUTRIAT UG/L	1	1	0	0	1	0
03652	BIS(2-ETHYLHEXYL)PHTHALATE, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03653	BROMOPHENYL, 4-PHENYL ETHER, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03654	N-BUTYL BENZYL PHTHALATE, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03655	CHLORONAPHTHALENE, 2-, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03656	CHLOROPHENYL, 4- PHENYL ETHER, LIQ FRAC, ELUTRIA UG/L	1	1	0	0	1	0
03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03658	DIBENZO(A,H)ANTHRACENE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03659	DI-N-BUTYL PHTHALATE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03660	DICHLOROBENZENE, 1,2-, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03661	DICHLOROBENZENE, 1,3-, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03662	DICHLOROBENZENE, 1,4-, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03663	DICHLOROBENZIDENE, 3,3-, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03665	DIMETHYL PHTHALATE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03668	DI-N-OCTYL PHTHALATE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03671	HEXACHLOROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03673	HEXACHLOROCYCLOPENTADIENE, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03675	INDENO(1,2,3-CD) PYRENE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03679	N-NITROSODIMETHYLAMINE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03680	N-NITROSODIPHENYLAMINE, LIQUID FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03681	N-NITROSO-DI-N-PROPYLAMINE, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03684	TRICHLOROBENZENE, 1,2,4-, LIQ FRAC, ELUTRIATE UG/L	1	1	0	0	1	0
03685	PHOSPHORUS, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03687	ANTIMONY (SB), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	2	0
03689	BARIUM (BA), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	2	0
03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	2	1	1	0	1	0
03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	2	1	1	0	1	0
03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	2	1	1	0	1	0
03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	2	1	1	0	1	0
03720	NITROGEN, TOTAL KJELDAHL, LIQ FRAC, ELUTRIATE MG/L	1	1	0	0	1	0
03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0

**Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03737	GAMMA-BHC (LINDANE), LIQ FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03739	P,P'-DDD, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03747	BETA-ENDOSULFAN, LIQ FRACTION, ELUTRIATE UG/L	2	1	1	0	1	0
03748	ENDOSULFAN SULFATE, LIQ FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03749	HEPTACHLOR, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03750	HEPTACHLOR EPOXIDE, LIQ FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03753	PARACHLOROMETACRESOL, LIQ FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	3	2	1	0	2	0
03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	3	2	1	0	2	0
03757	DINITROPHENOL, 2, 4-, LIQ FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03758	METHYL-4,6-DINITROPHENOL, 2-, LIQ FRAC, ELUTRIAT UG/L	3	2	1	0	2	0
03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03760	NITROPHENOL, 4-, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	3	2	1	0	2	0
03763	TRICHLOROPHENOL, 2, 4, 6-, LIQ FRAC, ELUTRIATE UG/L	3	2	1	0	2	0
30344	PENTACHLORODIBENZO-P-DIOXIN, 12378, FISH, WET WT, PG/G	2	2	0	0	1	0
30345	HEXACHLORODIBENZO-P-DIOXIN, 123478, FISH, WET WT, PG/G	2	2	0	0	1	0
30346	HEXACHLORODIBENZO-P-DIOXIN, 123678, FISH, WET WT, PG/G	2	2	0	0	1	0
30347	HEXACHLORODIBENZO-P-DIOXIN, 123789, FISH, WET WT, PG/G	2	2	0	0	1	0
30348	HEPTACHLORODIBENZO-P-DIOXIN, 1234678, TIS, WET WT, PG/G	2	2	0	0	1	0
30349	TETRACHLORODIBENZOFURAN, 2378-, FISH, WET WT, PG/G	2	2	0	0	1	0
30350	PENTACHLORODIBENZOFURAN, 12378-, FISH, WET WT, PG/G	2	2	0	0	1	0
30351	PENTACHLORODIBENZOFURAN, 23478-, FISH, WET WT, PG/G	2	2	0	0	1	0
30352	HEXACHLORODIBENZOFURAN, 123478-, FISH, WET WT, PG/G	2	2	0	0	1	0
30353	HEXACHLORODIBENZOFURAN, 123678-, FISH, WET WT, PG/G	2	2	0	0	1	0
30354	HEXACHLORODIBENZOFURAN, 123789-, FISH, WET WT, PG/G	2	2	0	0	1	0
30355	HEXACHLORODIBENZOFURAN, 234678-, FISH, WET WT, PG/G	2	2	0	0	1	0
30356	HEPTACHLORODIBENZOFURAN, 1234678-, FISH, WET WT, PG/G	2	2	0	0	1	0
30357	HEPTACHLORODIBENZOFURAN, 1234789-, FISH, WET WT, PG/G	2	2	0	0	1	0
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED, M-ENDO MED, 35C	13	1	12	0	3	0
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	189	73	116	0	29	0
31648	E. COLI - MTEC-MF NO/100ML	2	2	0	0	2	0
31679	FECAL STREPTOCOCCUS, MF M-ENTEROCOCCUS AGAR, 35C, 48H	76	9	67	0	11	0
32101	BROMODICHLOROMETHANE, WHOLE WATER, UG/L	4	4	0	0	3	0
32102	CARBON TETRACHLORIDE, WHOLE WATER, UG/L	4	4	0	0	3	0
32103	1,2-DICHLOROETHANE, WHOLE WATER, UG/L	4	4	0	0	3	0
32104	BROMOFORM, WHOLE WATER, UG/L	4	4	0	0	3	0
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	4	4	0	0	3	0
32106	CHLOROFORM, WHOLE WATER, UG/L	4	4	0	0	3	0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	842	414	428	0	9	0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	769	383	386	0	9	0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	742	409	333	0	9	0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	765	383	382	0	9	0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO. BEFORE/AFTER ACID	757	383	374	0	9	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	161	89	72	0	10	0
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	3	3	0	0	3	0
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	4	4	0	0	3	0
34101	NITROGLYCERIN, WATER SAMPLE BY GAS CHROMATOGRAPHY M	1	1	0	0	1	0
34200	ACENAPHTHYLENE TOTWUG/L	3	3	0	0	3	0
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34205	ACENAPHTHENE TOTWUG/L	3	3	0	0	3	0
34208	ACENAPHTHENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34220	ANTHRACENE TOTWUG/L	3	3	0	0	3	0
34223	ANTHRACENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34230	BENZO(B)FLUORANTHENE, WHOLE WATER, UG/L	3	3	0	0	3	0
34233	BENZO(B)FLUORANTHENE, SEDIMENTS, DRY WGT, UG/KG	2	2	0	0	2	0
34237	BENZENE DRY WGTBOTUG/KG	1	1	0	0	1	0
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	3	3	0	0	3	0
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	2	2	0	0	2	0

**Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
34247	BENZO-A-PYRENE TOTWUG/L	3	3	0	0	3	0
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34257	B-BHC-BETA DRY WGTBOTUG/KG	2	2	0	0	2	0
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	2	2	0	0	2	0
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	3	3	0	0	3	0
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	2	2	0	0	2	0
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	3	3	0	0	3	0
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	2	2	0	0	2	0
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	3	3	0	0	3	0
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	2	2	0	0	2	0
34290	BROMOFORM DRY WGTBOTUG/KG	1	1	0	0	1	0
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	3	3	0	0	3	0
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	2	2	0	0	2	0
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	1	1	0	0	1	0
34301	CHLOROBENZENE TOTWUG/L	4	4	0	0	3	0
34304	CHLOROBENZENE DRY WGTBOTUG/KG	1	1	0	0	1	0
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34311	CHLOROETHANE TOTWUG/L	2	2	0	0	2	0
34314	CHLOROETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34318	CHLOROFORM DRY WGTBOTUG/KG	1	1	0	0	1	0
34320	CHRYSENE TOTWUG/L	3	3	0	0	3	0
34323	CHRYSENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34336	DIETHYL PHTHALATE TOTWUG/L	3	3	0	0	3	0
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	2	2	0	0	2	0
34341	DIMETHYL PHTHALATE TOTWUG/L	3	3	0	0	3	0
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	2	2	0	0	2	0
34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	1	1	0	0	1	0
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	2	2	0	0	2	0
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	2	2	0	0	2	0
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	2	2	0	0	2	0
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	1	1	0	0	1	0
34371	ETHYLBENZENE TOTWUG/L	3	3	0	0	2	0
34374	ETHYLBENZENE DRY WGTBOTUG/KG	1	1	0	0	1	0
34376	FLUORANTHENE TOTWUG/L	3	3	0	0	3	0
34379	FLUORANTHENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34381	FLUORENE TOTWUG/L	3	3	0	0	3	0
34384	FLUORENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	3	3	0	0	3	0
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34394	HEXACHLOROBUTADIENE BOTUG/KG	1	1	0	0	1	0
34395	HEXACHLOROBUTADIENE WET WGTISMKG/KG	2	2	0	0	1	0
34396	HEXACHLOROETHANE TOTWUG/L	3	3	0	0	3	0
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	2	2	0	0	2	0
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	3	3	0	0	3	0
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34408	ISOPHORONE TOTWUG/L	3	3	0	0	3	0
34411	ISOPHORONE DRY WGTBOTUG/KG	2	2	0	0	2	0
34413	METHYL BROMIDE TOTWUG/L	2	2	0	0	2	0
34416	METHYL BROMIDE DRY WGTBOTUG/KG	1	1	0	0	1	0
34418	METHYL CHLORIDE TOTWUG/L	2	2	0	0	2	0
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	1	1	0	0	1	0
34423	METHYLENE CHLORIDE TOTWUG/L	4	4	0	0	3	0
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	1	1	0	0	1	0
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	3	3	0	0	3	0
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	2	2	0	0	2	0
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	2	2	0	0	2	0
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	2	2	0	0	2	0
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	2	2	0	0	2	0
34445	NAPHTHALENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34447	NITROBENZENE TOTWUG/L	3	3	0	0	3	0
34450	NITROBENZENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34452	PARACHLOROMETA CRESOL TOTWUG/L	3	3	0	0	3	0
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34460	PCP (PENTACHLOROPHENOL) SUSPUG/L	1	1	0	0	1	0
34461	PHENANTHRENE TOTWUG/L	3	3	0	0	3	0
34464	PHENANTHRENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34469	PYRENE TOTWUG/L	3	3	0	0	3	0
34472	PYRENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34475	TETRACHLOROETHYLENE TOTWUG/L	4	4	0	0	3	0
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	1	1	0	0	1	0

**Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
34480	THALLIUM DRY WGTBOTMG/KG	1	1	0	0	1	0
34483	TOLUENE DRY WGTBOTUG/KG	1	1	0	0	1	0
34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	1	1	0	0	1	0
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	1	1	0	0	1	0
34496	1,1-DICHLOROETHANE TOTWUG/L	4	4	0	0	3	0
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34501	1,1-DICHLOROETHYLENE TOTWUG/L	4	4	0	0	3	0
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	1	1	0	0	1	0
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	4	4	0	0	3	0
34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	4	4	0	0	3	0
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	4	4	0	0	3	0
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	3	3	0	0	3	0
34524	BENZO(GH)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	2	2	0	0	2	0
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	3	3	0	0	3	0
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	2	2	0	0	2	0
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34536	1,2-DICHLOROBENZENE TOTWUG/L	4	4	0	0	3	0
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34541	1,2-DICHLOROPROPANE TOTWUG/L	4	4	0	0	3	0
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	1	1	0	0	1	0
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	4	4	0	0	3	0
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	1	1	0	0	1	0
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	4	4	0	0	3	0
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	1	1	0	0	1	0
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMKG/KG	3	3	0	0	2	0
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	3	3	0	0	3	0
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34566	1,3-DICHLOROBENZENE TOTWUG/L	4	4	0	0	3	0
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34571	1,4-DICHLOROBENZENE TOTWUG/L	4	4	0	0	3	0
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	1	1	0	0	1	0
34581	2-CHLORONAPHTHALENE TOTWUG/L	3	3	0	0	3	0
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34586	2-CHLOROPHENOL TOTWUG/L	3	3	0	0	3	0
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34591	2-NITROPHENOL TOTWUG/L	3	3	0	0	3	0
34594	2-NITROPHENOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	3	3	0	0	3	0
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	2	2	0	0	2	0
34601	2,4-DICHLOROPHENOL TOTWUG/L	3	3	0	0	3	0
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34606	2,4-DIMETHYLPHENOL TOTWUG/L	3	3	0	0	3	0
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34611	2,4-DINITROTOLUENE TOTWUG/L	3	3	0	0	3	0
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34616	2,4-DINITROPHENOL TOTWUG/L	3	3	0	0	3	0
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	3	3	0	0	3	0
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34626	2,6-DINITROTOLUENE TOTWUG/L	3	3	0	0	3	0
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	2	2	0	0	2	0
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	2	2	0	0	2	0
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	2	2	0	0	2	0
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	3	3	0	0	3	0
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	2	2	0	0	2	0
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	3	3	0	0	3	0
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	2	2	0	0	2	0
34646	4-NITROPHENOL TOTWUG/L	2	2	0	0	2	0
34649	4-NITROPHENOL DRY WGTBOTUG/KG	2	2	0	0	2	0
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	3	3	0	0	3	0
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	1	1	0	0	1	0
34685	ENDRIN WET WGTTISMKG/KG	2	2	0	0	1	0
34686	HEPTACHLOR EPOXIDE WET WGTTISMKG/KG	2	2	0	0	1	0
34687	HEPTACHLOR WET WGTTISMKG/KG	2	2	0	0	1	0
34688	HEXACHLOROBENZENE WET WGTTISMKG/KG	2	2	0	0	1	0
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	2	2	0	0	2	0
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTTUG/KG	2	2	0	0	2	0

**Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
34696	NAPHTHALENE TOTWUG/L	4	4	0	0	3	0
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	1	1	0	0	1	0
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	2	2	0	0	2	0
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	1	1	0	0	1	0
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	2	2	0	0	2	0
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	2	2	0	0	1	0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	43	0	41	2	5	0
38435	DALAPON SEDDRYWGTUG/KG	1	1	0	0	1	0
38444	DICAMBA (BANVEL) SEDDRYWGTUG/KG	1	1	0	0	1	0
38452	DICHLORPROP SEDDRYWGTUG/KG	1	1	0	0	1	0
38477	LINURON WATER, TOTUG/L	37	37	0	0	1	0
38484	MCPA SEDDRYWGTUG/KG	1	1	0	0	1	0
38494	MCPA SEDDRYWGTUG/KG	1	1	0	0	1	0
38748	2,4-DB SEDDRYWGTUG/KG	1	1	0	0	1	0
38760	DBCP WATER, TOTUG/L	2	2	0	0	1	0
38781	DINOSEB SEDDRYWGTUG/KG	1	1	0	0	1	0
38824	ISOPROPALIN TISWETWGTMG/KG	2	2	0	0	1	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	3	3	0	0	3	0
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	37	37	0	0	1	0
39055	SIMAZINE IN WHOLE WATER (UG/L)	37	37	0	0	1	0
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	2	2	0	0	2	0
39063	CHLORDANE-CIS ISOMER, TISSUE WET WGT (UG/G)	2	2	0	0	1	0
39066	CHLORDANE-TRANS ISOMER, TISSUE WET WGT (UG/G)	2	2	0	0	1	0
39074	BHC-ALPHA ISOMER, TISSUE UG/G WET WGT	2	2	0	0	1	0
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	2	2	0	0	2	0
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER, UG/L	2	2	0	0	2	0
39102	BIS(2-ETHYLHEXYL) PHTHALATE, SEDIMENT, DRY WGT, UG/KG	2	2	0	0	2	0
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER, UG/L	3	3	0	0	3	0
39112	DI-N-BUTYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	2	2	0	0	2	0
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	2	2	0	0	2	0
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	2	2	0	0	2	0
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	4	4	0	0	3	0
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39319	MONOCHLOROBIPHENYL, TOTAL, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	2	2	0	0	1	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39335	DICHLOROBIPHENYL, TOTAL, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39339	TRICHLOROBIPHENYL, TOTAL, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39343	GAMMA-BHC(LINDANE), SEDIMENTS, DRY WGT, UG/KG	2	2	0	0	2	0
39345	TETRACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39347	PENTACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39351	CHLORDANE (TECH MIX&METABS), SEDIMENTS, DRY WGT, UG/KG	2	2	0	0	2	0
39354	HEPTACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39355	OCTACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	37	37	0	0	1	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	2	2	0	0	2	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	2	2	0	0	2	0
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	2	2	0	0	1	0
39408	NONACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39409	DECACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	2	2	0	0	1	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	2	2	0	0	2	0
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	2	2	0	0	2	0
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	2	2	0	0	2	0
39491	PCB - 1221 BOT. DEP., PCB SERIES DRY SOL UG/KG	2	2	0	0	2	0
39495	PCB - 1232 BOT. DEP., PCB-SERIES DRY SOL UG/KG	2	2	0	0	2	0
39499	PCB - 1242 BOT. DEP., PCB-SERIES DRY SOL UG/KG	2	2	0	0	2	0
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	2	0	0	2	0
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	2	0	0	2	0
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	2	2	0	0	2	0
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	2	2	0	0	2	0
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	3	3	0	0	3	0
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	2	2	0	0	2	0
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	3	0
39705	HEXACHLOROBUTADIENE BOT. DEPOS. (UG/KG DRY WGT)	1	1	0	0	1	0
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	1	0	0	1	0
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	1	0	0	1	0
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	1	0	0	1	0
39785	GAMMA-BHC(LINDANE), TISSUE, WET WEIGHT, MG/KG	2	2	0	0	1	0

Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
46313	PHORATE IN WHOLE WATER SAMPLE (UG/L)	37	37	0	0	1	0
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	2	2	0	0	1	0
46373	DEETHYLATRAZINE, TOTAL, WATER UG/L	37	37	0	0	1	0
46374	DEISOPROPYLATRAZINE, TOTAL, WATER UG/L	37	37	0	0	1	0
60050	ALGAE, TOTAL (CELLS/ML)	4	0	4	0	2	0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	570	209	38	323	38	0
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	22	0	19	3	4	0
70302	SOLIDS, DISSOLVED-TONS PER DAY	286	0	18	268	4	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	284	0	20	264	6	0
70311	PH, CACO3 STABILITY (STANDARD UNITS)	1	0	1	0	1	0
70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	9	0	0	9	1	0
70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	9	0	0	9	1	0
70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	9	0	0	9	1	0
70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	9	0	0	9	1	0
70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	9	0	0	9	1	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	31	0	0	31	1	0
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	30	0	0	30	1	0
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	29	0	0	29	1	0
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	22	0	0	22	1	0
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	2	0	0	2	1	0
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	29	0	0	29	1	0
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	29	0	0	29	1	0
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	29	0	0	29	1	0
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	29	0	0	29	1	0
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	29	0	0	29	1	0
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	1	0	0	1	1	0
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	2	0	0	2	1	0
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	1	0	0	1	1	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10	0	10	0	5	0
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	2	2	0	0	1	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	3	0	3	0	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	311	0	0	311	4	0
71875	HYDROGEN SULFIDE (MG/L)	8	0	8	0	3	0
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	12	0	0	12	1	0
71885	IRON (UG/L AS FE)	47	0	0	47	2	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	132	0	5	127	6	0
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10	0	10	0	4	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	124	1	123	0	11	0
71900	MERCURY, TOTAL (UG/L AS HG)	313	96	202	15	37	0
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	1	1	0	0	1	0
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	1	1	0	0	1	0
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	21	0	0	21	1	0
72025	DEPTH OF POND OR RESERVOIR IN FEET	2	0	2	0	1	0
75049	MERCURY (HG) SEDIMENT,DRY,WT,UG/KG	3	3	0	0	3	0
75059	ACETONE SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
75078	METHYL ETHYL KETONE SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
75166	2-HEXANONE SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
75169	METHYL ISOBUTYL KETONE SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
75192	STYRENE SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
75212	BENZYL ALCOHOL SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
75315	BENZOIC ACID SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
75647	DIBENZOFURAN SEDIMENT,DRY WGT,UG/KG	1	1	0	0	1	0
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	2	2	0	0	1	0
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	2	2	0	0	1	0
77128	STYRENE WHOLE WATER,UG/L	2	2	0	0	1	0
77133	1,4-DIMETHYLBENZENE(P-XYLENE) WHOLE WATER,UG/L	2	2	0	0	1	0
77134	1,3-DIMETHYLBENZENE(M-XYLENE) WHOLE WATER,UG/L	2	2	0	0	1	0
77135	O-XYLENE WHOLE WATER,UG/L	2	2	0	0	1	0
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	2	2	0	0	1	0
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	2	2	0	0	1	0
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	2	2	0	0	1	0
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	2	2	0	0	1	0
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	2	2	0	0	1	0
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	2	2	0	0	1	0
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0

**Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total Park	
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	2	2	0	0	1	0
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	2	2	0	0	1	0
77596	METHYLENE BROMIDE WHOLE WATER,UG/L	2	2	0	0	1	0
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	2	2	0	0	1	0
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	4	4	0	0	3	0
77825	ALACHLOR WHOLE WATER,UG/L	37	37	0	0	1	0
78049	METHYLBUTANEDIOIC ACID IN WATER UG/L	1	1	0	0	1	0
78362	O-XYLENE SEDWETWTMG/KG	1	1	0	0	1	0
78365	BENZENE SEDWETWTMG/KG	1	1	0	0	1	0
78366	CARBON TETRACHLORIDE SEDWETWTMG/KG	1	1	0	0	1	0
78367	CHLOROBENZENE SEDWETWTMG/KG	1	1	0	0	1	0
78368	1,2-DICHLOROETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78369	1,1,1-TRICHLOROETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78370	1,1-DICHLOROETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78371	1,1,2,2-TETRACHLOROETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78372	CHLOROETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78373	2-CHLOROETHYL VINYL ETHER SEDWETWTMG/KG	1	1	0	0	1	0
78374	CHLOROFORM SEDWETWTMG/KG	1	1	0	0	1	0
78375	1,1-DICHLOROETHENE SEDWETWTMG/KG	1	1	0	0	1	0
78376	TRANS-1,2-DICHLOROETHENE SEDWETWTMG/KG	1	1	0	0	1	0
78377	1,2-DICHLOROPROPANE SEDWETWTMG/KG	1	1	0	0	1	0
78378	TRANS-1,3-DICHLOROPROPENE SEDWETWTMG/KG	1	1	0	0	1	0
78379	CIS-1,3-DICHLOROPROPENE SEDWETWTMG/KG	1	1	0	0	1	0
78380	ETHYLBENZENE SEDWETWTMG/KG	1	1	0	0	1	0
78381	METHYLENE CHLORIDE SEDWETWTMG/KG	1	1	0	0	1	0
78382	CHLOROMETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78383	BROMOMETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78384	BROMOFORM SEDWETWTMG/KG	1	1	0	0	1	0
78385	BROMODICHLOROMETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78386	TRICHLOROFLUOROMETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78387	DICHLORODIFLUOROMETHANE SEDWETWTMG/K	1	1	0	0	1	0
78388	DIBROMOCHLOROMETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78389	TETRACHLOROETHENE SEDWETWTMG/KG	1	1	0	0	1	0
78390	TOLUENE SEDWETWTMG/KG	1	1	0	0	1	0
78391	TRICHLOROETHENE SEDWETWTMG/K	1	1	0	0	1	0
78392	VINYL CHLORIDE SEDWETWTMG/KG	1	1	0	0	1	0
78393	1,1,2-TRICHLOROETHANE SEDWETWTMG/KG	1	1	0	0	1	0
78544	CARBON DISULFIDE IN SEDIMENT UG/KG	1	1	0	0	1	0
78803	P-CRESOL (4-METHYL PHENOL) IN SED DRY WGT UG/KG	1	1	0	0	1	0
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	2	2	0	0	1	0
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	2	2	0	0	1	0
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	2	2	0	0	1	0
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	2	2	0	0	1	0
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	21	21	0	0	10	0
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	16	16	0	0	8	0
80088	BOD, CARBONACEOUS, 30 DAY, 20 DEG C MG/L	1	1	0	0	1	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	33	0	0	33	1	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	33	0	0	33	1	0
81235	BOD, CARBONACEOUS, 42 DAY, 20 DEG C MG/L	1	1	0	0	1	0
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	37	37	0	0	1	0
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	37	37	0	0	1	0
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	2	2	0	0	1	0
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	37	37	0	0	1	0
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	37	37	0	0	1	0
81410	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	37	37	0	0	1	0
81555	BROMOBENZENE WHL WATER SMPL UG/L	2	2	0	0	1	0
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	2	2	0	0	1	0
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	2	2	0	0	1	0
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	2	2	0	0	1	0
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	37	37	0	0	1	0
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	2	2	0	0	1	0
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	2	2	0	0	1	0
81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	37	37	0	0	1	0
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	2	2	0	0	1	0
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	634	634	0	0	3	0
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	37	37	0	0	1	0
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	172	0	172	0	6	0
82398	SAMPLING METHOD (CODES)	2	0	2	0	2	0
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	37	37	0	0	1	0
82537	TURBIDITY,FORWARD SCATTER JTU	1767	840	927	0	7	0

**Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Parameter Code	Name	Total Obs	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Stations	
						Total	Park
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	4	0	4	0	4	0
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	4	0	4	0	4	0
84007	ANATOMY ALPHA CODE	3	3	0	0	1	0
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85682	NITROFEN TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85683	PERTHANE TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	2	2	0	0	1	0
85791	ENDRIN KETONE, SEDIMENT, DRY WT,(SF) UG/KG	1	1	0	0	1	0
85798	NITROGEN, AMMONIA, ELUTRIATE TEST EXTRAC,AS N,MG/L	1	1	0	0	1	0

Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0001	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/07/79-08/10/79	0	16	
HOCU0005	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/15/79-10/23/79	0	3	
HOCU0007	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/16/85-09/17/85	0	3	
HOCU0018	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	0	1	
HOCU0019	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	0	1	
HOCU0020	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	0	1	
HOCU0021	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	0	2	
HOCU0030	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/15/79-10/23/79	0	3	
HOCU0031	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/14/79-10/31/79	0	3	
HOCU0034	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/14/79-10/31/79	0	3	
HOCU0035	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/22/79-05/22/79	0	1	
HOCU0036	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/22/79-05/22/79	0	1	
HOCU0038	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/23/79-07/24/79	0	4	
HOCU0042	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/15/79-10/23/79	0	3	
HOCU0046	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/17/95-09/17/96	0	19	
HOCU0052	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/28/80-08/26/80	0	5	
HOCU0053	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	23	181	
HOCU0055	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/28/80-06/29/81	1	6	
HOCU0057	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	21	2119	
HOCU0058	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/06/75-09/05/75	0	20	
HOCU0059	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/03/92-05/25/93	0	6	
HOCU0060	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	15	1117	
HOCU0061	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/25/80-09/17/80	0	6	
HOCU0062	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/19/74-08/26/81	7	179	
HOCU0063	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	21	784	
HOCU0064	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/19/74-09/23/86	12	19	
HOCU0065	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	21	462	
HOCU0066	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/25/80-09/17/80	0	6	
HOCU0067	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/03/92-05/25/93	0	6	
HOCU0068	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	12	553	
HOCU0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/79-08/10/79	0	16	
HOCU0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/79-08/10/79	0	2	
HOCU0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	30	739	
HOCU0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/85-09/23/97	12	12	
HOCU0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/85-09/24/97	12	13	
HOCU0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/79-05/22/79	0	1	
HOCU0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/92-08/25/92	0	1	
HOCU0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/04/97	5	8	
HOCU0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/02/91-06/24/91	0	19	
HOCU0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/24/92	0	4	
HOCU0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/97-09/25/97	0	5	
HOCU0018	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	0	1	
HOCU0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	0	1	
HOCU0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	0	1	
HOCU0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	0	1	
HOCU0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	26	473	
HOCU0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/24/92	0	4	
HOCU0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/78-05/17/78	0	1	
HOCU0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/25/97	5	9	
HOCU0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	11	164	
HOCU0030	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-09/25/97	18	25	
HOCU0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	30	768	
HOCU0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/73-07/16/97	24	30	
HOCU0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/65-09/05/73	7	8	
HOCU0034	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-08/19/97	5	7	
HOCU0035	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/79-05/22/79	0	1	
HOCU0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/79-05/22/79	0	1	
HOCU0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/97-09/23/97	0	5	
HOCU0038	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/79-07/24/79	0	3	
HOCU0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/97-09/23/97	0	5	
HOCU0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	22	758	
HOCU0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/25/97	5	9	
HOCU0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-09/25/97	18	12	
HOCU0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/97-09/25/97	0	4	
HOCU0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/85-09/05/85	0	1	
HOCU0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	21	70	
HOCU0046	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/95-09/17/96	0	18	
HOCU0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	11	178	
HOCU0048	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/85-09/05/85	0	1	
HOCU0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/97-09/25/97	0	5	
HOCU0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/89-09/25/97	8	9	
HOCU0051	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/97-09/25/97	0	5	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0052	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/80-08/26/80	0	5	
HOCU0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	23	132	
HOCU0055	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/80-06/29/81	1	6	
HOCU0056	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/65-06/14/77	11	41	
HOCU0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	21	1660	
HOCU0058	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/06/75-09/05/75	0	20	
HOCU0059	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/25/92	0	3	
HOCU0060	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	15	949	
HOCU0061	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-09/17/80	0	6	
HOCU0062	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/80-08/26/81	1	155	
HOCU0063	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	21	633	
HOCU0064	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/76-09/23/86	10	12	
HOCU0065	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	21	351	
HOCU0066	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-09/17/80	0	5	
HOCU0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/25/92	0	3	
HOCU0068	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	12	433	
HOCU0028	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/25/74-06/23/77	2	7	
HOCU0046	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/17/95-09/17/96	0	18	
HOCU0047	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/26/74-06/13/77	2	6	
HOCU0052	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/80-08/26/80	0	2	
HOCU0053	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/19/74-11/19/96	22	88	
HOCU0055	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/28/80-08/26/80	0	3	
HOCU0056	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/26/74-06/14/77	2	6	
HOCU0057	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	21	82	
HOCU0060	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/11/75-05/22/91	15	88	
HOCU0062	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/80-08/26/81	1	5	
HOCU0063	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	21	35	
HOCU0064	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/23/76-09/23/86	10	5	
HOCU0065	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	21	46	
HOCU0068	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/11/75-09/29/87	12	34	
HOCU0001	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/07/79-06/07/79	0	1	
HOCU0058	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/05/75-09/05/75	0	1	
HOCU0001	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/07/79-08/10/79	0	5	
HOCU0002	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/07/79-08/10/79	0	2	
HOCU0058	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/05/75-09/05/75	0	1	
HOCU0053	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	08/19/74-06/12/75	0	3	
HOCU0057	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	21	222	T
HOCU0060	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-07/24/90	14	90	
HOCU0062	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	08/19/74-07/29/81	6	50	
HOCU0063	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	21	120	T
HOCU0064	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	08/19/74-04/30/80	5	7	
HOCU0065	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	21	128	T
HOCU0068	No	00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	06/11/75-08/10/83	8	79	
HOCU0047	No	00049	SURFACE AREA IN SQUARE MILES	12/10/56-06/29/57	0	21	
HOCU0028	No	00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	6	124	
HOCU0033	No	00060	FLOW, STREAM, MEAN DAILY CFS	09/02/66-10/05/70	4	5	
HOCU0047	No	00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	11	202	
HOCU0056	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/08/65-09/23/71	5	21	
HOCU0002	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/07/79-08/10/79	0	2	
HOCU0003	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/80-09/27/84	4	7	
HOCU0028	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/71-06/23/77	5	76	
HOCU0029	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/23/96-09/08/98	2	936	
HOCU0030	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/92-09/25/97	5	14	
HOCU0031	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	30	569	
HOCU0032	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-07/16/97	21	19	
HOCU0033	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/72-09/05/73	0	2	
HOCU0045	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/29/76-10/20/81	5	63	
HOCU0047	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/56-06/13/77	20	42	
HOCU0056	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/18/71-06/14/77	5	31	
HOCU0030	No	00065	STAGE, STREAM (FEET)	07/09/92-09/25/97	5	14	
HOCU0031	No	00065	STAGE, STREAM (FEET)	07/15/88-09/22/97	9	7	
HOCU0032	No	00065	STAGE, STREAM (FEET)	07/16/97-07/16/97	0	1	
HOCU0045	No	00065	STAGE, STREAM (FEET)	10/16/79-09/25/97	17	29	
HOCU0001	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/07/79-08/10/79	0	3	
HOCU0002	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/07/79-08/10/79	0	2	
HOCU0032	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/22/76-09/21/77	1	19	
HOCU0040	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/27/76-04/27/76	0	1	
HOCU0045	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/29/76-09/20/77	1	18	
HOCU0053	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/26/73-07/26/73	0	1	
HOCU0058	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/06/75-09/05/75	0	4	
HOCU0053	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/19/74-06/12/75	0	2	
HOCU0057	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	16	631	A

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0060	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	15	796	A
HOCU0062	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/19/74-08/26/81	7	117	
HOCU0063	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	6	307	
HOCU0064	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/19/74-09/23/86	12	3	
HOCU0065	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	8	219	
HOCU0068	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	12	343	
HOCU0053	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/19/74-08/09/79	5	24	
HOCU0057	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	6	268	
HOCU0060	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/30/80-07/30/80	0	15	
HOCU0062	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/30/80-07/30/80	0	15	
HOCU0063	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/76-08/10/83	7	91	
HOCU0064	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/76-09/10/76	0	2	
HOCU0065	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/10/79-07/31/80	1	33	
HOCU0068	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/80-07/31/80	0	9	
HOCU0001	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/07/79-08/10/79	0	2	
HOCU0053	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/29/76-07/29/76	0	1	
HOCU0057	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/10/76-10/29/96	20	40	
HOCU0058	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/75-09/05/75	0	2	
HOCU0060	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/29/80-07/24/90	10	50	
HOCU0062	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/29/80-08/26/81	1	8	
HOCU0063	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/29/76-09/30/96	20	31	
HOCU0064	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/10/76-09/23/86	10	2	
HOCU0065	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/30/80-09/30/96	16	37	
HOCU0068	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/29/80-09/29/87	7	33	
HOCU0001	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/07/79-08/10/79	0	3	
HOCU0002	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/07/79-08/10/79	0	2	
HOCU0058	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/06/75-09/05/75	0	4	
HOCU0052	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/80-08/26/80	0	5	
HOCU0053	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/20/76-07/01/91	15	39	
HOCU0055	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/80-08/26/80	0	5	
HOCU0057	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	20	1175	T,A
HOCU0060	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	10	568	
HOCU0062	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/29/81-07/29/81	0	67	
HOCU0063	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	20	468	T
HOCU0064	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/10/76	0	7	
HOCU0065	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	17	222	
HOCU0068	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/29/81-09/29/87	6	265	
HOCU0003	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/23/97	18	15	
HOCU0008	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/85-09/23/97	12	9	
HOCU0010	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/85-10/22/97	12	10	
HOCU0012	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/92-08/25/92	0	1	
HOCU0013	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/04/97	5	8	
HOCU0016	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/24/92	0	4	
HOCU0017	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/23/97-10/22/97	0	6	
HOCU0018	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	0	1	
HOCU0019	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	0	1	
HOCU0020	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	0	1	
HOCU0021	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	0	1	
HOCU0022	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/25/97	18	12	
HOCU0023	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/24/92	0	4	
HOCU0027	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-10/22/97	5	10	
HOCU0030	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/25/97	18	18	
HOCU0031	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	06/17/80-09/24/97	17	20	
HOCU0032	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/28/76-07/16/97	21	13	
HOCU0034	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-08/19/97	5	7	
HOCU0035	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/22/79-05/22/79	0	1	
HOCU0037	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/97-09/23/97	0	5	
HOCU0039	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/97-09/23/97	0	5	
HOCU0040	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/14/76-08/25/81	5	11	
HOCU0041	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/25/97	5	9	
HOCU0042	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/25/97	18	12	
HOCU0043	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/05/97-09/25/97	0	4	
HOCU0045	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/27/76-09/25/97	21	25	
HOCU0049	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/23/97-09/25/97	0	5	
HOCU0050	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/19/89-09/25/97	8	9	
HOCU0051	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/23/97-09/25/97	0	5	
HOCU0057	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/29/80-08/10/83	3	343	
HOCU0059	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	0	2	
HOCU0060	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-09/11/84	4	348	
HOCU0062	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-08/26/81	1	155	
HOCU0063	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-09/11/84	4	285	
HOCU0064	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-04/30/80	0	3	

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Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0065	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-08/14/84	4	154	
HOCU0067	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	0	2	
HOCU0068	No	00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-08/10/83	3	124	
HOCU0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/79-08/10/79	0	16	
HOCU0002	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/79-08/10/79	0	2	
HOCU0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	26	1016	T,A,S
HOCU0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-10/23/79	0	2	
HOCU0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/85-09/23/97	12	9	
HOCU0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/85-10/22/97	12	11	
HOCU0012	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/92-08/25/92	0	1	
HOCU0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/04/97	0	4	
HOCU0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-10/22/97	0	6	
HOCU0022	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-10/22/97	18	12	
HOCU0024	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/78-05/17/78	0	1	
HOCU0027	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-10/22/97	0	6	
HOCU0028	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	11	193	A
HOCU0029	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/96-09/08/98	2	926	
HOCU0030	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-10/22/97	18	15	
HOCU0031	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	26	1012	T,A,S
HOCU0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/74-03/08/77	2	18	
HOCU0033	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/65-09/05/73	7	8	
HOCU0034	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-08/19/97	0	3	
HOCU0037	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/97-09/23/97	0	5	
HOCU0039	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/97-09/23/97	0	5	
HOCU0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	22	868	T,A,S
HOCU0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	0	5	
HOCU0042	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-09/25/97	17	7	
HOCU0043	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/97-09/25/97	0	4	
HOCU0045	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/76-09/25/97	21	43	
HOCU0046	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/95-09/17/96	0	18	
HOCU0047	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	11	167	
HOCU0049	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	0	5	
HOCU0050	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	0	5	
HOCU0051	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	0	5	
HOCU0052	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/80-07/29/80	0	3	
HOCU0053	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	23	133	T,S
HOCU0054	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/97-09/23/97	0	4	
HOCU0055	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/80-06/29/81	1	4	
HOCU0056	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/65-06/14/77	11	52	
HOCU0057	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	21	1271	T,A
HOCU0058	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/75-09/05/75	0	20	
HOCU0060	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	15	600	
HOCU0062	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	0	1	
HOCU0063	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	21	347	T
HOCU0064	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-09/23/86	12	10	
HOCU0065	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	21	197	T
HOCU0068	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-09/29/87	12	300	
HOCU0003	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	30	1056	T,A,S
HOCU0008	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/85-09/23/97	12	12	
HOCU0010	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/85-09/24/97	12	13	
HOCU0011	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/22/79-05/22/79	0	1	
HOCU0012	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/25/92-08/25/92	0	1	
HOCU0013	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/04/97	5	7	
HOCU0014	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/02/91-06/24/91	0	19	
HOCU0016	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/24/92	0	4	
HOCU0017	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/97-09/25/97	0	5	
HOCU0018	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	0	1	
HOCU0019	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	0	1	
HOCU0020	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	0	1	
HOCU0021	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	0	1	
HOCU0022	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	26	533	T,A,S
HOCU0023	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/24/92	0	4	
HOCU0027	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/25/97	5	9	
HOCU0030	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/79-09/25/97	18	25	
HOCU0031	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	30	1051	T,A,S
HOCU0032	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/73-07/16/97	24	30	
HOCU0034	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-08/19/97	5	7	
HOCU0035	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/22/79-05/22/79	0	1	
HOCU0036	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/22/79-05/22/79	0	1	
HOCU0037	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/97-09/23/97	0	5	
HOCU0038	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/79-07/24/79	0	3	
HOCU0039	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/97-09/23/97	0	5	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 12/10/56 To 09/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0040	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	23	910	T,A,S
HOCU0041	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/25/97	5	9	
HOCU0042	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/79-09/25/97	18	12	
HOCU0043	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/05/97-09/25/97	0	4	
HOCU0044	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/05/85-09/05/85	0	1	
HOCU0045	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	21	67	
HOCU0046	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/17/95-09/17/96	0	18	
HOCU0048	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/05/85-09/05/85	0	1	
HOCU0049	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/97-09/25/97	0	5	
HOCU0050	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/19/89-09/25/97	8	9	
HOCU0051	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/97-09/25/97	0	5	
HOCU0052	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/80-08/26/80	0	5	
HOCU0053	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	22	131	T,S
HOCU0055	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/80-06/29/81	1	6	
HOCU0057	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	21	1660	T,A
HOCU0059	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/25/92	0	3	
HOCU0060	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	15	947	A
HOCU0062	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/29/80-08/26/81	1	152	
HOCU0063	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	21	633	T,A
HOCU0064	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/23/76-09/23/86	10	12	
HOCU0065	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	21	351	T,A
HOCU0067	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/25/92	0	3	
HOCU0068	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	12	433	
HOCU0001	No	00300	OXYGEN, DISSOLVED MG/L	06/07/79-08/10/79	0	16	
HOCU0002	No	00300	OXYGEN, DISSOLVED MG/L	06/07/79-08/10/79	0	2	
HOCU0028	No	00300	OXYGEN, DISSOLVED MG/L	09/12/66-06/23/77	10	15	
HOCU0047	No	00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	11	54	
HOCU0056	No	00300	OXYGEN, DISSOLVED MG/L	09/26/74-06/14/77	2	7	
HOCU0058	No	00300	OXYGEN, DISSOLVED MG/L	05/06/75-09/05/75	0	20	
HOCU0001	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/07/79-08/10/79	0	16	
HOCU0028	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/12/66-06/23/77	10	15	
HOCU0047	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	11	54	
HOCU0056	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/26/74-06/14/77	2	7	
HOCU0058	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/06/75-09/05/75	0	20	
HOCU0001	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/79-08/10/79	0	3	
HOCU0003	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	30	954	T,A,S
HOCU0005	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-10/23/79	0	2	
HOCU0008	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/92-09/23/97	5	7	
HOCU0010	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/22/92-10/22/97	5	8	
HOCU0012	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/25/92-08/25/92	0	1	
HOCU0013	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/04/97	5	8	
HOCU0014	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/02/91-06/24/91	0	19	
HOCU0016	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/24/92	0	4	
HOCU0017	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/97-10/22/97	0	6	
HOCU0022	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	26	490	T,A,S
HOCU0023	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/24/92	0	4	
HOCU0027	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/92-10/22/97	5	10	
HOCU0028	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/25/75-06/23/77	1	5	
HOCU0030	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-10/22/97	18	24	
HOCU0031	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	30	953	T,A,S
HOCU0032	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/73-07/16/97	24	31	
HOCU0034	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/92-08/19/97	5	7	
HOCU0037	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/24/97-09/23/97	0	5	
HOCU0038	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/79-07/23/79	0	1	
HOCU0039	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/24/97-09/23/97	0	5	
HOCU0040	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	23	859	T,A,S
HOCU0041	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/25/97	5	9	
HOCU0042	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-09/25/97	17	11	
HOCU0043	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/05/97-09/25/97	0	4	
HOCU0044	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/05/85-09/05/85	0	1	
HOCU0045	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/29/76-09/25/97	21	26	
HOCU0047	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/27/75-06/13/77	1	5	
HOCU0048	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/05/85-09/05/85	0	1	
HOCU0049	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/97-09/25/97	0	5	
HOCU0050	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/19/89-09/25/97	8	9	
HOCU0051	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/97-09/25/97	0	5	
HOCU0054	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/05/97-09/23/97	0	4	
HOCU0056	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/26/75-06/14/77	1	5	
HOCU0058	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/06/75-09/05/75	0	4	
HOCU0059	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/03/92-05/25/93	0	4	
HOCU0067	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/03/92-05/25/93	0	4	
HOCU0006	No	00319	BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	0	1	

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**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0010	No	00319	BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0017	No	00319	BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0026	No	00319	BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0001	No	00340	COD, .25N K2CR2O7 MG/L	06/07/79-08/10/79	0	3	
HOCU0003	No	00340	COD, .25N K2CR2O7 MG/L	09/15/83-09/23/97	14	14	
HOCU0008	No	00340	COD, .25N K2CR2O7 MG/L	07/24/85-09/23/97	12	11	
HOCU0010	No	00340	COD, .25N K2CR2O7 MG/L	07/24/85-10/22/97	12	12	
HOCU0012	No	00340	COD, .25N K2CR2O7 MG/L	08/25/92-08/25/92	0	1	
HOCU0013	No	00340	COD, .25N K2CR2O7 MG/L	07/09/92-09/04/97	5	8	
HOCU0016	No	00340	COD, .25N K2CR2O7 MG/L	07/09/92-09/24/92	0	3	
HOCU0017	No	00340	COD, .25N K2CR2O7 MG/L	07/23/97-10/22/97	0	6	
HOCU0022	No	00340	COD, .25N K2CR2O7 MG/L	04/20/73-10/22/97	24	31	S
HOCU0023	No	00340	COD, .25N K2CR2O7 MG/L	07/09/92-09/24/92	0	4	
HOCU0027	No	00340	COD, .25N K2CR2O7 MG/L	07/09/92-10/22/97	5	10	
HOCU0030	No	00340	COD, .25N K2CR2O7 MG/L	07/24/85-10/22/97	12	19	
HOCU0031	No	00340	COD, .25N K2CR2O7 MG/L	06/17/80-09/24/97	17	31	
HOCU0032	No	00340	COD, .25N K2CR2O7 MG/L	05/31/74-09/21/77	3	26	
HOCU0034	No	00340	COD, .25N K2CR2O7 MG/L	07/09/92-08/19/97	5	7	
HOCU0037	No	00340	COD, .25N K2CR2O7 MG/L	07/24/97-09/23/97	0	5	
HOCU0039	No	00340	COD, .25N K2CR2O7 MG/L	08/05/97-09/23/97	0	4	
HOCU0040	No	00340	COD, .25N K2CR2O7 MG/L	06/11/68-08/25/81	13	19	
HOCU0041	No	00340	COD, .25N K2CR2O7 MG/L	07/09/92-09/25/97	5	9	
HOCU0042	No	00340	COD, .25N K2CR2O7 MG/L	07/09/92-09/25/97	5	9	
HOCU0043	No	00340	COD, .25N K2CR2O7 MG/L	08/05/97-09/25/97	0	4	
HOCU0045	No	00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	21	70	
HOCU0049	No	00340	COD, .25N K2CR2O7 MG/L	07/23/97-09/25/97	0	5	
HOCU0050	No	00340	COD, .25N K2CR2O7 MG/L	07/19/89-09/25/97	8	9	
HOCU0051	No	00340	COD, .25N K2CR2O7 MG/L	07/23/97-09/25/97	0	5	
HOCU0054	No	00340	COD, .25N K2CR2O7 MG/L	08/05/97-09/23/97	0	4	
HOCU0058	No	00340	COD, .25N K2CR2O7 MG/L	05/06/75-09/05/75	0	4	
HOCU0040	No	00343	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	21	832	T,A
HOCU0001	No	00400	PH (STANDARD UNITS)	06/07/79-08/10/79	0	16	
HOCU0002	No	00400	PH (STANDARD UNITS)	06/07/79-08/10/79	0	2	
HOCU0003	No	00400	PH (STANDARD UNITS)	09/21/67-09/23/97	30	44	S
HOCU0008	No	00400	PH (STANDARD UNITS)	07/24/85-09/23/97	12	12	
HOCU0010	No	00400	PH (STANDARD UNITS)	07/24/85-10/22/97	12	14	
HOCU0011	No	00400	PH (STANDARD UNITS)	05/22/79-05/22/79	0	1	
HOCU0013	No	00400	PH (STANDARD UNITS)	07/09/92-09/04/97	5	8	
HOCU0016	No	00400	PH (STANDARD UNITS)	07/09/92-09/24/92	0	4	
HOCU0017	No	00400	PH (STANDARD UNITS)	07/23/97-09/25/97	0	5	
HOCU0018	No	00400	PH (STANDARD UNITS)	07/29/80-07/29/80	0	1	
HOCU0019	No	00400	PH (STANDARD UNITS)	07/29/80-07/29/80	0	1	
HOCU0020	No	00400	PH (STANDARD UNITS)	07/29/80-07/29/80	0	1	
HOCU0021	No	00400	PH (STANDARD UNITS)	07/29/80-07/29/80	0	1	
HOCU0022	No	00400	PH (STANDARD UNITS)	04/04/73-09/25/97	24	26	
HOCU0023	No	00400	PH (STANDARD UNITS)	07/09/92-09/24/92	0	4	
HOCU0024	No	00400	PH (STANDARD UNITS)	05/17/78-05/17/78	0	1	
HOCU0027	No	00400	PH (STANDARD UNITS)	07/09/92-10/22/97	5	10	
HOCU0028	No	00400	PH (STANDARD UNITS)	08/30/65-06/23/77	11	104	
HOCU0030	No	00400	PH (STANDARD UNITS)	07/24/85-09/25/97	12	22	
HOCU0031	No	00400	PH (STANDARD UNITS)	09/21/67-09/24/97	30	44	S
HOCU0032	No	00400	PH (STANDARD UNITS)	03/24/76-07/16/97	21	12	
HOCU0033	No	00400	PH (STANDARD UNITS)	11/08/65-09/05/73	7	8	
HOCU0034	No	00400	PH (STANDARD UNITS)	07/09/92-08/19/97	5	7	
HOCU0035	No	00400	PH (STANDARD UNITS)	05/22/79-05/22/79	0	1	
HOCU0036	No	00400	PH (STANDARD UNITS)	05/22/79-05/22/79	0	1	
HOCU0037	No	00400	PH (STANDARD UNITS)	07/24/97-09/23/97	0	5	
HOCU0038	No	00400	PH (STANDARD UNITS)	07/23/79-07/24/79	0	3	
HOCU0039	No	00400	PH (STANDARD UNITS)	07/24/97-09/23/97	0	5	
HOCU0040	No	00400	PH (STANDARD UNITS)	06/11/68-03/10/78	9	18	
HOCU0041	No	00400	PH (STANDARD UNITS)	07/09/92-09/25/97	5	9	
HOCU0042	No	00400	PH (STANDARD UNITS)	07/09/92-09/25/97	5	9	
HOCU0043	No	00400	PH (STANDARD UNITS)	08/05/97-09/25/97	0	4	
HOCU0045	No	00400	PH (STANDARD UNITS)	04/27/76-09/25/97	21	54	
HOCU0046	No	00400	PH (STANDARD UNITS)	10/17/95-09/17/96	0	18	
HOCU0047	No	00400	PH (STANDARD UNITS)	10/09/65-06/13/77	11	159	
HOCU0049	No	00400	PH (STANDARD UNITS)	07/23/97-09/25/97	0	5	
HOCU0050	No	00400	PH (STANDARD UNITS)	07/19/89-09/25/97	8	9	
HOCU0051	No	00400	PH (STANDARD UNITS)	07/23/97-09/25/97	0	5	
HOCU0052	No	00400	PH (STANDARD UNITS)	04/28/80-08/26/80	0	5	
HOCU0053	No	00400	PH (STANDARD UNITS)	07/26/73-11/19/96	23	131	T,S
HOCU0055	No	00400	PH (STANDARD UNITS)	04/28/80-06/29/81	1	6	

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**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0056	No	00400	PH (STANDARD UNITS)	11/08/65-06/14/77	11	27	
HOCU0057	No	00400	PH (STANDARD UNITS)	11/12/74-10/29/96	21	1604	T,A
HOCU0058	No	00400	PH (STANDARD UNITS)	05/06/75-09/05/75	0	20	
HOCU0059	No	00400	PH (STANDARD UNITS)	08/03/92-08/25/92	0	3	
HOCU0060	No	00400	PH (STANDARD UNITS)	06/11/75-05/22/91	15	914	A
HOCU0062	No	00400	PH (STANDARD UNITS)	05/29/80-08/26/81	1	155	
HOCU0063	No	00400	PH (STANDARD UNITS)	07/30/75-09/30/96	21	619	T,A
HOCU0064	No	00400	PH (STANDARD UNITS)	06/23/76-09/23/86	10	12	
HOCU0065	No	00400	PH (STANDARD UNITS)	07/30/75-09/30/96	21	342	A
HOCU0067	No	00400	PH (STANDARD UNITS)	08/03/92-08/25/92	0	3	
HOCU0068	No	00400	PH (STANDARD UNITS)	06/11/75-09/29/87	12	423	
HOCU0003	No	00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	21	1017	T,A
HOCU0005	No	00403	PH, LAB, STANDARD UNITS SU	10/10/79-10/23/79	0	2	
HOCU0008	No	00403	PH, LAB, STANDARD UNITS SU	08/20/92-09/24/92	0	2	
HOCU0010	No	00403	PH, LAB, STANDARD UNITS SU	07/22/92-08/20/92	0	2	
HOCU0012	No	00403	PH, LAB, STANDARD UNITS SU	08/25/92-08/25/92	0	1	
HOCU0013	No	00403	PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	0	4	
HOCU0014	No	00403	PH, LAB, STANDARD UNITS SU	01/02/91-06/24/91	0	18	
HOCU0016	No	00403	PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	0	4	
HOCU0022	No	00403	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	21	471	T,A
HOCU0023	No	00403	PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	0	4	
HOCU0027	No	00403	PH, LAB, STANDARD UNITS SU	07/09/92-10/22/97	5	5	
HOCU0030	No	00403	PH, LAB, STANDARD UNITS SU	10/10/79-09/24/92	12	6	
HOCU0031	No	00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	21	1013	T,A
HOCU0032	No	00403	PH, LAB, STANDARD UNITS SU	05/31/74-09/21/77	3	20	
HOCU0034	No	00403	PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	0	4	
HOCU0040	No	00403	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	21	889	T,A
HOCU0041	No	00403	PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	0	4	
HOCU0042	No	00403	PH, LAB, STANDARD UNITS SU	10/10/79-09/24/92	12	6	
HOCU0045	No	00403	PH, LAB, STANDARD UNITS SU	01/29/76-10/20/81	5	21	
HOCU0050	No	00403	PH, LAB, STANDARD UNITS SU	08/18/89-08/18/89	0	1	
HOCU0001	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/07/79-08/10/79	0	3	
HOCU0024	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/17/78-05/17/78	0	1	
HOCU0028	No	00405	CARBON DIOXIDE (MG/L AS CO2)	01/22/73-06/23/77	4	27	
HOCU0033	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/21/72-09/05/73	0	2	
HOCU0047	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/16/72-06/13/77	4	11	
HOCU0056	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/17/72-06/14/77	4	11	
HOCU0058	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/06/75-09/05/75	0	4	
HOCU0001	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	06/07/79-08/10/79	0	3	
HOCU0003	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/21/67-09/23/97	30	33	
HOCU0006	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	0	1	
HOCU0008	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/23/97	0	5	
HOCU0009	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	0	1	
HOCU0010	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-10/22/97	9	7	
HOCU0012	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	08/25/92-08/25/92	0	1	
HOCU0013	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/04/97	0	4	
HOCU0017	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-10/22/97	9	7	
HOCU0022	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-10/22/97	0	6	
HOCU0024	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/17/78-05/17/78	0	1	
HOCU0026	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	0	1	
HOCU0027	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-10/22/97	0	6	
HOCU0028	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	11	171	
HOCU0030	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/16/97-10/22/97	0	11	
HOCU0031	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/21/67-09/24/97	30	41	S
HOCU0032	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	03/24/76-07/16/97	21	8	
HOCU0033	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/09/68-09/05/73	4	5	
HOCU0034	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-08/19/97	0	3	
HOCU0037	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/24/97-09/23/97	0	5	
HOCU0039	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/24/97-09/23/97	0	5	
HOCU0041	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	0	5	
HOCU0042	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	0	5	
HOCU0043	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	08/05/97-09/25/97	0	4	
HOCU0045	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	02/25/76-09/25/97	21	17	
HOCU0046	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/17/95-09/17/96	0	18	
HOCU0047	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	10	119	
HOCU0049	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	0	5	
HOCU0050	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	0	5	
HOCU0051	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	0	5	
HOCU0053	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/26/73-11/19/96	23	107	T,S
HOCU0056	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/15/68-06/14/77	8	14	
HOCU0057	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	21	228	T,A
HOCU0058	No	00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/06/75-09/05/75	0	4	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0059	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-05/25/93	0	6	
HOCU0060	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/29/80-05/22/91	10	66	
HOCU0062	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-06/25/80	5	3	
HOCU0063	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/80-09/30/96	16	79	
HOCU0064	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/74-04/30/80	5	2	
HOCU0065	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/30/80-09/30/96	16	57	
HOCU0067	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-05/25/93	0	6	
HOCU0068	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/29/80-09/23/87	7	22	
HOCU0032	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/24/76-08/23/77	1	7	
HOCU0045	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/25/76-03/15/78	2	8	
HOCU0053	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/73-07/26/73	0	1	
HOCU0001	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/07/79-08/10/79	0	3	
HOCU0024	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/17/78-05/17/78	0	1	
HOCU0028	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	11	197	A
HOCU0033	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/08/65-09/05/73	7	8	
HOCU0047	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	11	150	
HOCU0056	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/08/65-06/14/77	11	17	
HOCU0058	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/06/75-09/05/75	0	4	
HOCU0001	No	00445	CARBONATE ION (MG/L AS CO3)	06/07/79-08/10/79	0	3	
HOCU0024	No	00445	CARBONATE ION (MG/L AS CO3)	05/17/78-05/17/78	0	1	
HOCU0028	No	00445	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	11	195	A
HOCU0033	No	00445	CARBONATE ION (MG/L AS CO3)	11/08/65-09/05/73	7	8	
HOCU0047	No	00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	11	150	
HOCU0056	No	00445	CARBONATE ION (MG/L AS CO3)	11/08/65-06/14/77	11	17	
HOCU0058	No	00445	CARBONATE ION (MG/L AS CO3)	05/06/75-09/05/75	0	4	
HOCU0063	No	00495	MOISTURE CONTENT (PERCENT OF TOTAL DRY WEIGHT)	10/29/96-10/29/96	0	1	
HOCU0027	No	00500	RESIDUE, TOTAL (MG/L)	10/22/97-10/22/97	0	1	
HOCU0028	No	00500	RESIDUE, TOTAL (MG/L)	01/22/73-06/24/74	1	18	
HOCU0031	No	00500	RESIDUE, TOTAL (MG/L)	07/08/88-07/29/88	0	4	
HOCU0032	No	00500	RESIDUE, TOTAL (MG/L)	05/31/74-09/21/77	3	22	
HOCU0040	No	00500	RESIDUE, TOTAL (MG/L)	04/27/76-12/17/76	0	8	
HOCU0045	No	00500	RESIDUE, TOTAL (MG/L)	01/29/76-02/13/78	2	20	
HOCU0046	No	00500	RESIDUE, TOTAL (MG/L)	10/17/95-09/17/96	0	19	
HOCU0047	No	00500	RESIDUE, TOTAL (MG/L)	09/24/73-10/24/73	0	2	
HOCU0053	No	00500	RESIDUE, TOTAL (MG/L)	07/26/73-10/29/96	23	102	S
HOCU0056	No	00500	RESIDUE, TOTAL (MG/L)	09/24/73-10/24/73	0	2	
HOCU0057	No	00500	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	21	200	T,A
HOCU0058	No	00500	RESIDUE, TOTAL (MG/L)	05/06/75-05/06/75	0	1	
HOCU0060	No	00500	RESIDUE, TOTAL (MG/L)	05/24/83-07/24/90	7	61	
HOCU0063	No	00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	20	62	
HOCU0064	No	00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/10/76	0	2	
HOCU0065	No	00500	RESIDUE, TOTAL (MG/L)	05/01/84-09/18/96	12	25	
HOCU0068	No	00500	RESIDUE, TOTAL (MG/L)	08/10/83-09/23/87	4	23	
HOCU0053	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/16/75-04/12/78	2	16	
HOCU0057	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/17/75-09/22/77	2	71	
HOCU0063	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/23/76-10/14/76	0	15	
HOCU0064	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/23/76-09/10/76	0	2	
HOCU0011	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/79-05/22/79	0	1	
HOCU0032	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/75-09/21/77	2	21	
HOCU0035	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/79-05/22/79	0	1	
HOCU0036	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/79-05/22/79	0	1	
HOCU0040	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/27/76-12/17/76	0	8	
HOCU0045	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/29/76-01/24/80	3	25	
HOCU0046	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/17/95-09/17/96	0	19	
HOCU0053	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-10/29/96	15	68	
HOCU0057	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-09/18/96	15	87	
HOCU0060	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/24/83-07/24/90	7	60	
HOCU0063	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/23/83-09/18/96	13	46	
HOCU0065	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/01/84-09/18/96	12	24	
HOCU0068	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/10/83-09/23/87	4	23	
HOCU0003	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/23/97	30	43	S
HOCU0006	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	0	1	
HOCU0008	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/92-09/23/97	5	7	
HOCU0009	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	0	1	
HOCU0010	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-09/24/97	12	14	
HOCU0012	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/25/92-08/25/92	0	1	
HOCU0013	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/04/97	5	8	
HOCU0016	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/24/92	0	4	
HOCU0017	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-10/22/97	9	7	
HOCU0022	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-10/22/97	12	19	
HOCU0023	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/24/92	0	4	
HOCU0025	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0026	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	0	1	
HOCU0027	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/25/97	5	9	
HOCU0029	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/23/96-09/08/98	2	923	
HOCU0030	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-10/22/97	12	23	
HOCU0031	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/24/97	30	58	S
HOCU0032	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/74-07/16/97	23	30	
HOCU0034	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-08/19/97	5	7	
HOCU0037	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/97-09/23/97	0	5	
HOCU0039	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/97-09/23/97	0	5	
HOCU0040	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/27/76-08/25/81	5	14	
HOCU0041	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/25/97	5	9	
HOCU0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/25/97	5	9	
HOCU0043	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/05/97-09/25/97	0	4	
HOCU0045	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	21	69	
HOCU0046	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/17/95-09/17/96	0	19	
HOCU0049	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/97-09/25/97	0	5	
HOCU0050	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/19/89-09/25/97	8	9	
HOCU0051	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/97-09/25/97	0	5	
HOCU0053	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/73-10/29/96	23	100	S
HOCU0054	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/05/97-09/23/97	0	4	
HOCU0057	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	21	197	T,A
HOCU0058	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/06/75-05/06/75	0	1	
HOCU0059	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/03/92-05/25/93	0	4	
HOCU0060	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/24/83-07/24/90	7	61	
HOCU0063	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	20	62	
HOCU0064	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/10/76	0	2	
HOCU0065	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/84-09/18/96	12	25	
HOCU0067	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/03/92-05/25/93	0	4	
HOCU0068	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/10/83-09/23/87	4	23	
HOCU0032	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	03/24/76-08/23/77	1	6	
HOCU0040	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	11/05/76-11/05/76	0	1	
HOCU0045	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	02/25/76-08/16/77	1	5	
HOCU0001	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	0	3	
HOCU0002	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	0	2	
HOCU0024	No	00600	NITROGEN, TOTAL (MG/L AS N)	05/17/78-05/17/78	0	1	
HOCU0058	No	00600	NITROGEN, TOTAL (MG/L AS N)	05/06/75-09/05/75	0	4	
HOCU0001	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/79-08/10/79	0	3	
HOCU0024	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/17/78-05/17/78	0	1	
HOCU0058	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/06/75-09/05/75	0	4	
HOCU0046	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/17/96-09/17/96	0	1	
HOCU0057	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/29/96-09/18/96	0	24	
HOCU0063	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/30/96-09/18/96	0	24	
HOCU0065	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/30/96-09/18/96	0	16	
HOCU0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/79-08/10/79	0	3	
HOCU0003	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-09/23/97	18	17	
HOCU0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-10/23/79	0	3	
HOCU0006	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0008	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/85-09/23/97	12	12	
HOCU0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0010	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/85-10/22/97	12	15	
HOCU0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0012	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/92-08/25/92	0	1	
HOCU0013	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/04/97	5	8	
HOCU0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/24/92	0	3	
HOCU0017	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-10/22/97	9	7	
HOCU0018	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0022	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/78-10/22/97	19	28	
HOCU0023	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/24/92	0	4	
HOCU0024	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/17/78-05/17/78	0	1	
HOCU0025	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0026	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0027	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-10/22/97	5	10	
HOCU0028	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/25/74-06/23/77	2	7	
HOCU0029	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/23/96-09/08/98	2	866	
HOCU0030	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-10/22/97	18	26	
HOCU0031	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/80-09/24/97	17	41	
HOCU0032	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/73-09/21/77	4	26	
HOCU0034	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/79-08/19/97	18	10	
HOCU0035	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0036	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/79-05/22/79	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0037	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/97-09/23/97	0	5	
HOCU0038	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/79-07/23/79	0	1	
HOCU0039	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/97-09/23/97	0	4	
HOCU0040	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/71-08/25/81	10	28	
HOCU0041	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/25/97	5	9	
HOCU0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-09/25/97	18	12	
HOCU0043	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/97-09/25/97	0	4	
HOCU0044	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/05/85-06/05/86	0	2	
HOCU0045	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	21	71	
HOCU0046	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/17/95-09/17/96	0	18	
HOCU0047	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/74-06/13/77	2	7	
HOCU0048	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/05/85-09/05/85	0	1	
HOCU0049	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/97-09/25/97	0	5	
HOCU0050	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/89-09/25/97	8	9	
HOCU0051	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/97-09/25/97	0	5	
HOCU0053	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/73-10/29/96	23	101	S
HOCU0054	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/97-09/23/97	0	4	
HOCU0056	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/74-06/14/77	2	7	
HOCU0057	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	21	268	T,A
HOCU0058	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/06/75-09/05/75	0	4	
HOCU0059	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0060	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	7	127	
HOCU0062	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-08/27/80	0	3	
HOCU0063	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	20	91	
HOCU0064	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-04/30/80	3	3	
HOCU0065	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/30/80-09/18/96	16	52	
HOCU0067	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0068	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	7	90	
HOCU0029	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	04/23/96-09/08/98	2	927	
HOCU0001	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	0	3	
HOCU0003	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-10/09/85	0	6	
HOCU0006	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0008	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-09/23/97	12	6	
HOCU0009	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0010	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-09/24/97	12	8	
HOCU0011	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0017	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-10/22/97	9	3	
HOCU0022	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-10/22/97	12	9	
HOCU0025	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0026	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0027	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-10/22/97	0	2	
HOCU0028	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/22/73-06/23/77	4	30	
HOCU0030	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-09/25/97	12	9	
HOCU0031	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/17/80-09/24/97	17	19	
HOCU0032	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/22/76-09/21/77	1	19	
HOCU0035	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0036	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0040	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/71-08/25/81	10	20	
HOCU0041	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	0	1	
HOCU0042	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	0	1	
HOCU0043	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	0	1	
HOCU0045	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-09/23/81	5	60	
HOCU0047	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/13/77	3	11	
HOCU0049	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	0	1	
HOCU0050	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/19/89-09/25/97	8	5	
HOCU0054	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/05/97-09/23/97	0	4	
HOCU0056	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/14/77	3	11	
HOCU0058	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/06/75-09/05/75	0	4	
HOCU0059	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0067	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0028	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/04/71-07/18/73	1	43	
HOCU0033	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/21/72-09/05/73	0	2	
HOCU0047	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/22/71-03/27/73	1	6	
HOCU0056	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/24/72-07/18/73	1	7	
HOCU0001	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	0	3	
HOCU0006	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0009	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0017	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0025	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0026	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0028	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/22/73-06/23/77	4	30	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0031	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/88-07/29/88	0	4	
HOCU0047	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/13/77	3	11	
HOCU0053	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/26/73-08/22/73	0	2	
HOCU0056	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/14/77	3	11	
HOCU0058	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/06/75-09/05/75	0	4	
HOCU0046	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	02/20/96-09/17/96	0	5	
HOCU0053	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	02/20/96-05/15/96	0	5	
HOCU0057	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	04/03/96-09/18/96	0	25	
HOCU0063	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/30/96-09/18/96	0	21	
HOCU0065	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/30/96-09/18/96	0	14	
HOCU0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/79-08/10/79	0	3	
HOCU0002	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/79-08/10/79	0	2	
HOCU0003	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-09/23/97	18	17	
HOCU0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/23/79	0	3	
HOCU0006	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0008	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/85-09/23/97	12	11	
HOCU0009	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0010	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/85-10/22/97	12	15	
HOCU0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0012	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/92-08/25/92	0	1	
HOCU0013	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/04/97	5	7	
HOCU0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/24/92	0	3	
HOCU0017	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-10/22/97	9	7	
HOCU0018	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0020	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0022	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	18	20	
HOCU0023	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/24/92	0	4	
HOCU0024	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/78-05/17/78	0	1	
HOCU0025	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0026	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0027	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-10/22/97	5	10	
HOCU0029	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/23/96-09/08/98	2	926	
HOCU0030	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	18	25	
HOCU0031	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/80-09/24/97	17	32	
HOCU0032	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/73-09/21/77	4	27	
HOCU0034	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/14/79-08/19/97	18	10	
HOCU0035	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0036	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0037	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/97-09/23/97	0	5	
HOCU0038	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/79-07/23/79	0	1	
HOCU0039	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/05/97-09/23/97	0	4	
HOCU0040	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/27/76-08/25/81	5	7	
HOCU0041	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/25/97	5	9	
HOCU0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-09/25/97	18	12	
HOCU0043	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/05/97-09/25/97	0	4	
HOCU0044	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/85-09/05/85	0	1	
HOCU0045	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	21	69	
HOCU0046	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/95-09/17/96	0	17	
HOCU0048	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/85-09/05/85	0	1	
HOCU0049	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/97-09/25/97	0	5	
HOCU0050	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/19/89-09/25/97	8	9	
HOCU0051	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/97-09/25/97	0	5	
HOCU0053	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/73-10/29/96	23	108	T,S
HOCU0054	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/05/97-09/23/97	0	4	
HOCU0057	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	21	273	T,A
HOCU0058	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/75-09/05/75	0	4	
HOCU0059	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0060	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	7	127	
HOCU0062	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-08/27/80	0	3	
HOCU0063	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	20	88	
HOCU0064	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-04/30/80	3	3	
HOCU0065	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/30/80-09/18/96	16	50	
HOCU0067	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0068	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	7	90	
HOCU0001	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/79-08/10/79	0	3	
HOCU0002	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/79-08/10/79	0	2	
HOCU0003	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-09/23/97	18	17	
HOCU0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/23/79	0	3	
HOCU0006	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0008	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/85-09/23/97	12	11	
HOCU0009	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	0	1	

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Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/85-10/22/97	12	15	
HOCU0011	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0012	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/25/92-08/25/92	0	1	
HOCU0013	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-09/04/97	5	7	
HOCU0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-09/24/92	0	3	
HOCU0017	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-10/22/97	9	7	
HOCU0018	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0020	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/80-07/29/80	0	1	
HOCU0022	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	18	20	
HOCU0023	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-09/24/92	0	3	
HOCU0024	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/17/78-05/17/78	0	1	
HOCU0025	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0026	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	0	1	
HOCU0027	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-10/22/97	5	9	
HOCU0028	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/22/73-06/23/77	4	30	
HOCU0030	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	18	24	
HOCU0031	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/80-09/24/97	17	30	
HOCU0032	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/74-09/21/77	3	19	
HOCU0034	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/14/79-08/19/97	18	10	
HOCU0035	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0036	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/22/79-05/22/79	0	1	
HOCU0037	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/97-09/23/97	0	5	
HOCU0039	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/97-09/23/97	0	4	
HOCU0040	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/71-08/25/81	10	21	
HOCU0041	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-09/25/97	5	9	
HOCU0042	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-09/25/97	18	12	
HOCU0043	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/97-09/25/97	0	4	
HOCU0044	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/85-09/05/85	0	1	
HOCU0045	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	21	71	
HOCU0046	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/95-09/17/96	0	19	
HOCU0047	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/24/73-06/13/77	3	11	
HOCU0048	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/85-09/05/85	0	1	
HOCU0049	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/97-09/25/97	0	5	
HOCU0050	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/19/89-09/25/97	8	9	
HOCU0051	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/97-09/25/97	0	5	
HOCU0053	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/73-10/29/96	23	100	S
HOCU0054	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/97-09/23/97	0	4	
HOCU0056	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/24/73-06/14/77	3	11	
HOCU0057	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	21	266	T,A
HOCU0058	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/75-09/05/75	0	4	
HOCU0059	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0060	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/29/80-09/29/87	7	103	
HOCU0062	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/29/80-08/27/80	0	3	
HOCU0063	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	20	79	
HOCU0064	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-04/30/80	3	3	
HOCU0065	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/30/80-09/18/96	16	47	
HOCU0067	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/03/92-05/25/93	0	6	
HOCU0068	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/29/80-09/29/87	7	90	
HOCU0029	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/23/96-09/08/98	2	927	
HOCU0046	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/17/96-09/17/96	0	1	
HOCU0057	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/29/96-09/18/96	0	27	
HOCU0063	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/30/96-09/18/96	0	27	
HOCU0065	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/30/96-09/18/96	0	18	
HOCU0001	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/07/79-08/10/79	0	3	
HOCU0002	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/07/79-06/07/79	0	1	
HOCU0031	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/08/73-08/08/73	0	1	
HOCU0032	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/15/77-03/08/77	0	2	
HOCU0040	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/71-06/06/72	0	14	
HOCU0045	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/15/77-03/16/77	0	2	
HOCU0047	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/01/67-05/01/67	0	1	
HOCU0032	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/22/76-07/19/77	1	13	
HOCU0045	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/29/76-07/14/77	1	13	
HOCU0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/79-08/10/79	0	3	
HOCU0002	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/79-08/10/79	0	2	
HOCU0003	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	24	225	T,A,S
HOCU0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-10/23/79	0	3	
HOCU0008	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/85-09/23/97	12	11	
HOCU0010	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/85-10/22/97	12	14	
HOCU0011	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/79-05/22/79	0	1	
HOCU0013	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/04/97	5	7	
HOCU0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/24/92	0	3	
HOCU0017	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/97-10/22/97	0	6	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/24/75-10/22/97	21	38	
HOCU0023	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/24/92	0	4	
HOCU0024	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/17/78-05/17/78	0	1	
HOCU0027	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-10/22/97	5	10	
HOCU0028	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/25/74-06/23/77	2	7	
HOCU0029	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/23/96-09/08/98	2	925	
HOCU0030	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-10/22/97	18	27	
HOCU0031	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	24	297	T,A,S
HOCU0032	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/30/75-09/21/77	2	21	
HOCU0033	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/21/72-09/05/73	0	2	
HOCU0034	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/19/97	18	10	
HOCU0035	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/79-05/22/79	0	1	
HOCU0036	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/79-05/22/79	0	1	
HOCU0037	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/97-09/23/97	0	5	
HOCU0039	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/97-09/23/97	0	4	
HOCU0040	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/27/76-08/25/81	5	8	
HOCU0041	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/25/97	5	9	
HOCU0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-09/25/97	18	12	
HOCU0043	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/97-09/25/97	0	4	
HOCU0044	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/05/85-06/05/86	0	2	
HOCU0045	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	21	71	
HOCU0046	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/17/95-09/17/96	0	19	
HOCU0047	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/72-06/13/77	4	10	
HOCU0048	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/05/85-09/05/85	0	1	
HOCU0049	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/97-09/03/97	0	4	
HOCU0050	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/89-09/03/97	8	8	
HOCU0051	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/97-09/25/97	0	5	
HOCU0053	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/73-10/29/96	23	104	T,S
HOCU0054	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/97-09/23/97	0	4	
HOCU0056	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/72-06/14/77	4	10	
HOCU0057	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	21	270	T,A
HOCU0058	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/75-09/05/75	0	4	
HOCU0059	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/03/92-05/25/93	0	6	
HOCU0060	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	7	114	
HOCU0062	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-08/27/80	0	3	
HOCU0063	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	20	91	
HOCU0064	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-04/30/80	3	3	
HOCU0065	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/30/80-09/18/96	16	53	
HOCU0067	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/03/92-05/25/93	0	6	
HOCU0068	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	7	80	
HOCU0003	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/83-07/13/83	0	2	
HOCU0020	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/29/80-07/29/80	0	1	
HOCU0031	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/83-07/13/83	0	2	
HOCU0046	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/17/95-09/17/96	0	16	
HOCU0053	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/26/73-10/29/96	23	76	
HOCU0057	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	21	249	T,A
HOCU0060	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/29/80-09/11/84	4	24	
HOCU0062	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/29/80-08/27/80	0	3	
HOCU0063	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	20	85	
HOCU0064	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-04/30/80	3	3	
HOCU0065	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/30/80-09/18/96	16	48	
HOCU0068	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/29/80-08/10/83	3	6	
HOCU0029	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/23/96-09/08/98	2	911	
HOCU0001	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/79-08/10/79	0	3	
HOCU0002	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/79-08/10/79	0	2	
HOCU0003	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/23/97	0	5	
HOCU0008	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/23/97	0	5	
HOCU0010	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/24/97	0	5	
HOCU0013	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/04/97	0	4	
HOCU0017	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-10/22/97	0	6	
HOCU0022	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-10/22/97	0	6	
HOCU0027	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	0	5	
HOCU0028	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/70-06/23/77	6	12	
HOCU0029	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/23/96-03/25/98	1	267	
HOCU0030	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-10/22/97	0	6	
HOCU0031	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/88-09/24/97	9	6	
HOCU0032	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/22/76-09/21/77	1	18	
HOCU0034	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-08/19/97	0	3	
HOCU0037	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/23/97	0	4	
HOCU0039	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/23/97	0	4	
HOCU0041	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	0	5	
HOCU0042	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	0	5	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0043	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/25/97	0	4	
HOCU0045	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/29/76-09/25/97	21	25	
HOCU0046	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/17/95-09/17/96	0	19	
HOCU0047	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/75-06/13/77	1	4	
HOCU0049	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	0	5	
HOCU0050	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/03/97	0	3	
HOCU0051	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	0	4	
HOCU0053	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/81-10/29/96	15	50	
HOCU0054	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/23/97	0	4	
HOCU0056	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/26/75-06/14/77	1	4	
HOCU0057	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/81-09/18/96	15	97	
HOCU0058	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/06/75-09/05/75	0	4	
HOCU0060	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/24/83-06/17/87	4	30	
HOCU0063	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/28/81-09/18/96	15	52	
HOCU0065	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/28/81-09/18/96	15	35	
HOCU0068	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/10/83-06/17/87	3	6	
HOCU0024	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/78-05/17/78	0	1	
HOCU0029	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/23/96-03/25/98	1	271	
HOCU0046	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	02/20/96-09/17/96	0	6	
HOCU0053	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	02/20/96-05/15/96	0	6	
HOCU0057	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/03/96-09/18/96	0	33	
HOCU0063	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/30/96-09/18/96	0	27	
HOCU0065	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/30/96-09/18/96	0	18	
HOCU0028	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/01/73-06/01/73	0	1	
HOCU0029	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	04/23/96-03/25/98	1	267	
HOCU0029	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/23/96-03/25/98	1	271	
HOCU0031	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/08/88-08/05/88	0	4	
HOCU0032	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/22/76-09/21/77	1	18	
HOCU0045	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/29/76-09/20/77	1	16	
HOCU0003	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/85-09/23/97	12	15	
HOCU0006	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/31/88-05/31/88	0	1	
HOCU0008	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/85-09/23/97	12	12	
HOCU0009	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/31/88-05/31/88	0	1	
HOCU0010	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/85-10/22/97	12	15	
HOCU0011	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/79-05/22/79	0	1	
HOCU0012	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/25/92-08/25/92	0	1	
HOCU0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/92-09/04/97	5	8	
HOCU0015	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/02/87-09/02/87	0	1	
HOCU0016	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/92-09/24/92	0	4	
HOCU0017	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/31/88-10/22/97	9	7	
HOCU0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/80-07/29/80	0	1	
HOCU0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/80-07/29/80	0	1	
HOCU0021	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/80-07/29/80	0	1	
HOCU0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/85-10/22/97	12	18	
HOCU0023	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/92-09/24/92	0	4	
HOCU0024	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/17/78-05/17/78	0	1	
HOCU0025	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/31/88-05/31/88	0	1	
HOCU0026	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/31/88-05/31/88	0	1	
HOCU0027	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/92-10/22/97	5	10	
HOCU0028	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/65-06/23/77	11	188	A
HOCU0030	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/85-10/22/97	12	23	
HOCU0031	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-09/24/97	16	34	
HOCU0032	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/24/76-07/16/97	21	8	
HOCU0033	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/65-09/05/73	7	8	
HOCU0034	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/92-08/19/97	5	7	
HOCU0035	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/79-05/22/79	0	1	
HOCU0036	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/79-05/22/79	0	1	
HOCU0037	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/97-09/23/97	0	5	
HOCU0039	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/97-09/23/97	0	5	
HOCU0040	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-08/25/81	0	6	
HOCU0041	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/92-09/25/97	5	9	
HOCU0042	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/92-09/25/97	5	9	
HOCU0043	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/05/97-09/25/97	0	4	
HOCU0045	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/25/76-09/25/97	21	29	
HOCU0046	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/95-09/04/96	0	5	
HOCU0047	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/09/65-06/13/77	11	157	
HOCU0049	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/97-09/25/97	0	5	
HOCU0050	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/19/89-09/25/97	8	9	
HOCU0051	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/97-09/25/97	0	5	
HOCU0053	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/73-09/04/96	23	94	S
HOCU0054	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/05/97-09/23/97	0	4	
HOCU0056	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/08/65-06/14/77	11	25	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0057	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/12/74-09/04/96	21	240	T,A
HOCU0058	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/75-05/06/75	0	1	
HOCU0059	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/92-05/25/93	0	4	
HOCU0060	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/80-07/24/90	10	60	
HOCU0062	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/80-08/27/80	0	3	
HOCU0063	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/76-09/04/96	20	59	
HOCU0064	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/76-04/30/80	3	3	
HOCU0065	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/30/80-09/05/96	16	26	
HOCU0067	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/92-05/25/93	0	4	
HOCU0068	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/26/80-09/23/87	7	22	
HOCU0024	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/17/78-05/17/78	0	1	
HOCU0028	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/30/65-06/23/77	11	187	A
HOCU0033	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/08/65-09/05/73	7	8	
HOCU0047	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/09/65-06/13/77	11	149	
HOCU0056	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/08/65-06/14/77	11	16	
HOCU0024	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/17/78-05/17/78	0	1	
HOCU0028	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/22/73-06/23/77	4	21	
HOCU0047	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/24/73-06/13/77	3	9	
HOCU0053	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/81-07/24/90	9	22	
HOCU0056	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/24/73-06/14/77	3	9	
HOCU0057	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/81-08/10/83	2	43	
HOCU0058	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/06/75-05/06/75	0	1	
HOCU0060	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/83-09/11/84	1	21	
HOCU0063	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-09/11/84	3	21	
HOCU0065	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-07/10/84	3	8	
HOCU0068	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/10/83-08/10/83	0	3	
HOCU0003	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/31/79-09/23/97	17	16	
HOCU0005	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/23/79-10/23/79	0	1	
HOCU0006	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/31/88-05/31/88	0	1	
HOCU0008	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/85-09/23/97	12	11	
HOCU0009	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/31/88-05/31/88	0	1	
HOCU0010	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/85-10/22/97	12	15	
HOCU0012	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/25/92-08/25/92	0	1	
HOCU0013	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/92-09/04/97	5	8	
HOCU0015	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/02/87-09/02/87	0	1	
HOCU0016	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/92-09/24/92	0	4	
HOCU0017	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/31/88-10/22/97	9	7	
HOCU0018	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/29/80-07/29/80	0	1	
HOCU0020	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/29/80-07/29/80	0	1	
HOCU0021	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/29/80-07/29/80	0	1	
HOCU0022	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/23/79-10/22/97	17	19	
HOCU0023	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/92-09/24/92	0	4	
HOCU0025	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/31/88-05/31/88	0	1	
HOCU0026	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/31/88-05/31/88	0	1	
HOCU0027	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/92-10/22/97	5	10	
HOCU0028	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/08/73-09/24/73	0	4	
HOCU0029	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/23/96-08/25/98	2	704	
HOCU0030	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/23/79-10/22/97	17	24	
HOCU0031	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/31/79-09/24/97	17	34	
HOCU0032	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/24/76-07/16/97	21	8	
HOCU0034	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/31/79-08/19/97	17	8	
HOCU0037	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/97-09/23/97	0	5	
HOCU0039	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/97-09/23/97	0	5	
HOCU0040	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/30/81-08/25/81	0	6	
HOCU0041	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/92-09/25/97	5	9	
HOCU0042	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/23/79-09/25/97	17	10	
HOCU0043	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/05/97-09/25/97	0	4	
HOCU0045	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/25/76-09/25/97	21	13	
HOCU0046	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/12/96-09/04/96	0	3	
HOCU0049	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/97-09/25/97	0	5	
HOCU0050	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/19/89-09/25/97	8	9	
HOCU0051	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/97-09/25/97	0	5	
HOCU0053	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/19/74-09/04/96	22	87	S
HOCU0054	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/05/97-09/23/97	0	4	
HOCU0057	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/12/74-09/04/96	21	246	T,A
HOCU0059	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/03/92-05/25/93	0	6	
HOCU0060	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/80-07/24/90	10	61	
HOCU0062	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/80-08/27/80	0	3	
HOCU0063	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/76-09/04/96	20	63	
HOCU0064	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/76-04/30/80	3	3	
HOCU0065	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/30/80-09/05/96	16	29	
HOCU0067	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/03/92-05/25/93	0	6	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0068	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/80-09/23/87	7	23	
HOCU0063	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0003	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0004	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0022	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0030	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0063	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0024	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/78-05/17/78	0	1	
HOCU0028	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/22/73-06/23/77	4	21	
HOCU0047	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/73-06/13/77	3	9	
HOCU0053	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/81-07/24/90	9	22	
HOCU0056	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/73-06/14/77	3	9	
HOCU0057	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/81-08/10/83	2	43	
HOCU0058	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/06/75-05/06/75	0	1	
HOCU0060	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/83-09/11/84	1	21	
HOCU0063	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-09/11/84	3	21	
HOCU0065	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-07/10/84	3	8	
HOCU0068	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/83-08/10/83	0	3	
HOCU0003	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-09/23/97	17	16	
HOCU0005	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/23/79	0	1	
HOCU0006	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-05/31/88	0	1	
HOCU0008	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/85-09/23/97	12	11	
HOCU0009	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-05/31/88	0	1	
HOCU0010	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/85-10/22/97	12	15	
HOCU0012	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/25/92-08/25/92	0	1	
HOCU0013	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-09/04/97	5	8	
HOCU0015	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/02/87-09/02/87	0	1	
HOCU0016	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-09/24/92	0	4	
HOCU0017	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-10/22/97	9	7	
HOCU0018	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/29/80-07/29/80	0	1	
HOCU0020	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/29/80-07/29/80	0	1	
HOCU0021	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/29/80-07/29/80	0	1	
HOCU0022	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/22/97	17	19	
HOCU0023	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-09/24/92	0	4	
HOCU0025	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-05/31/88	0	1	
HOCU0026	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-05/31/88	0	1	
HOCU0027	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-10/22/97	5	10	
HOCU0028	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/08/73-09/24/73	0	4	
HOCU0029	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/23/96-08/25/98	2	710	
HOCU0030	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/22/97	17	24	
HOCU0031	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-09/24/97	17	34	
HOCU0032	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/24/76-07/16/97	21	8	
HOCU0034	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-08/19/97	17	8	
HOCU0037	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/97-09/23/97	0	5	
HOCU0039	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/97-09/23/97	0	5	
HOCU0040	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/30/81-08/25/81	0	6	
HOCU0041	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-09/25/97	5	9	
HOCU0042	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-09/25/97	17	10	
HOCU0043	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/05/97-09/25/97	0	4	
HOCU0045	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/25/76-09/25/97	21	13	
HOCU0046	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/12/96-09/04/96	0	3	
HOCU0049	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/97-09/25/97	0	5	
HOCU0050	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/19/89-09/25/97	8	9	
HOCU0051	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/97-09/25/97	0	5	
HOCU0053	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/16/75-09/04/96	21	80	
HOCU0054	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/05/97-09/23/97	0	4	
HOCU0057	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	21	231	T,A
HOCU0059	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/03/92-05/25/93	0	4	
HOCU0060	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/29/80-07/24/90	10	61	
HOCU0062	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/29/80-08/27/80	0	3	
HOCU0063	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	20	62	
HOCU0064	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-04/30/80	3	3	
HOCU0065	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/30/80-09/05/96	16	29	
HOCU0067	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/03/92-05/25/93	0	4	
HOCU0068	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/29/80-09/23/87	7	23	
HOCU0003	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/23/97	5	9	
HOCU0008	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/20/92-09/23/97	5	7	
HOCU0010	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/22/92-09/24/97	5	7	
HOCU0013	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/04/97	5	8	
HOCU0016	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/24/92	0	4	
HOCU0017	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/23/97-10/22/97	0	6	
HOCU0018	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/29/80-07/29/80	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0020	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/29/80-07/29/80	0	1	
HOCU0021	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/29/80-07/29/80	0	1	
HOCU0022	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-10/22/97	5	10	
HOCU0023	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/24/92	0	4	
HOCU0027	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-10/22/97	5	10	
HOCU0029	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/23/96-08/25/98	2	709	
HOCU0030	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-10/22/97	5	11	
HOCU0031	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/08/88-09/24/97	9	14	
HOCU0032	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/24/76-08/23/77	1	7	
HOCU0034	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-08/19/97	5	7	
HOCU0037	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/24/97-09/23/97	0	5	
HOCU0039	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/24/97-09/23/97	0	5	
HOCU0041	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/25/97	5	9	
HOCU0042	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/25/97	5	9	
HOCU0043	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/05/97-09/25/97	0	4	
HOCU0045	No	00929	SODIUM, TOTAL (MG/L AS NA)	02/25/76-09/25/97	21	13	
HOCU0046	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/12/96-09/04/96	0	4	
HOCU0049	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/23/97-09/25/97	0	5	
HOCU0050	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/23/97-09/25/97	0	5	
HOCU0051	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/23/97-09/25/97	0	5	
HOCU0053	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/16/75-09/04/96	21	80	
HOCU0054	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/05/97-09/23/97	0	4	
HOCU0057	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/17/75-09/04/96	21	233	T,A
HOCU0060	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/29/80-07/24/90	10	61	
HOCU0062	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/29/80-08/27/80	0	3	
HOCU0063	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/76-09/04/96	20	63	
HOCU0064	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/76-04/30/80	3	3	
HOCU0065	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/30/80-09/05/96	16	29	
HOCU0068	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/29/80-09/23/87	7	23	
HOCU0024	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/17/78-05/17/78	0	1	
HOCU0028	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/25/74-06/23/77	2	7	
HOCU0047	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/26/74-06/13/77	2	7	
HOCU0053	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/81-07/24/90	9	22	
HOCU0056	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/26/74-06/14/77	2	7	
HOCU0057	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/81-08/10/83	2	43	
HOCU0058	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/75-05/06/75	0	1	
HOCU0060	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/24/83-09/11/84	1	21	
HOCU0063	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-09/11/84	3	21	
HOCU0065	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/10/84	3	8	
HOCU0068	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/10/83-08/10/83	0	3	
HOCU0024	No	00931	SODIUM ADSORPTION RATIO	05/17/78-05/17/78	0	1	
HOCU0028	No	00931	SODIUM ADSORPTION RATIO	09/25/74-06/23/77	2	7	
HOCU0047	No	00931	SODIUM ADSORPTION RATIO	09/26/74-06/13/77	2	7	
HOCU0056	No	00931	SODIUM ADSORPTION RATIO	09/26/74-06/14/77	2	7	
HOCU0058	No	00931	SODIUM ADSORPTION RATIO	05/06/75-05/06/75	0	1	
HOCU0024	No	00932	SODIUM, PERCENT	05/17/78-05/17/78	0	1	
HOCU0028	No	00932	SODIUM, PERCENT	09/25/74-06/23/77	2	7	
HOCU0047	No	00932	SODIUM, PERCENT	09/26/74-06/13/77	2	7	
HOCU0056	No	00932	SODIUM, PERCENT	09/26/74-06/14/77	2	7	
HOCU0058	No	00932	SODIUM, PERCENT	05/06/75-05/06/75	0	1	
HOCU0063	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0024	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/17/78-05/17/78	0	1	
HOCU0028	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/25/74-06/23/77	2	7	
HOCU0047	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/26/74-06/13/77	2	7	
HOCU0053	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/81-07/24/90	9	22	
HOCU0056	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/26/74-06/14/77	2	7	
HOCU0057	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/81-08/10/83	2	43	
HOCU0058	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/75-05/06/75	0	1	
HOCU0060	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/24/83-09/11/84	1	21	
HOCU0063	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-09/11/84	3	21	
HOCU0065	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/10/84	3	8	
HOCU0068	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/10/83-08/10/83	0	3	
HOCU0003	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/23/97	0	5	
HOCU0008	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/23/97	0	5	
HOCU0010	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	0	6	
HOCU0013	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/04/97	0	4	
HOCU0017	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	0	6	
HOCU0022	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	0	6	
HOCU0027	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/05/97-10/22/97	0	5	
HOCU0029	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/23/96-08/25/98	2	705	
HOCU0030	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	0	7	
HOCU0031	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/15/88-09/24/97	9	6	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0032	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/24/76-08/23/77	1	7	
HOCU0034	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-08/19/97	0	3	
HOCU0037	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/24/97-09/23/97	0	5	
HOCU0039	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/24/97-09/23/97	0	5	
HOCU0041	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/05/97-09/25/97	0	4	
HOCU0042	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-07/23/97	0	1	
HOCU0043	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/05/97-09/25/97	0	4	
HOCU0045	No	00937	POTASSIUM, TOTAL MG/L AS K)	02/25/76-09/25/97	21	13	
HOCU0046	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/12/96-09/04/96	0	4	
HOCU0049	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/25/97	0	5	
HOCU0050	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/19/97-09/25/97	0	3	
HOCU0051	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/25/97	0	5	
HOCU0053	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	21	70	
HOCU0054	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/05/97-09/23/97	0	4	
HOCU0057	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	21	211	T,A
HOCU0060	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/29/80-07/24/90	10	45	
HOCU0062	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/29/80-08/27/80	0	3	
HOCU0063	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	20	63	
HOCU0064	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-04/30/80	3	3	
HOCU0065	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/30/80-09/05/96	16	29	
HOCU0068	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/29/80-08/10/83	3	6	
HOCU0063	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0001	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/79-08/10/79	0	2	
HOCU0003	No	00940	CHLORIDE, TOTAL IN WATER MG/L	09/21/67-09/23/97	30	37	S
HOCU0006	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	0	1	
HOCU0008	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/20/92-09/23/97	5	6	
HOCU0009	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	0	1	
HOCU0010	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/31/88-10/22/97	9	9	
HOCU0011	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/22/79-05/22/79	0	1	
HOCU0012	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/25/92-08/25/92	0	1	
HOCU0013	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/04/97	5	7	
HOCU0016	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/24/92	0	4	
HOCU0017	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/31/88-10/22/97	9	7	
HOCU0018	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/29/80-07/29/80	0	1	
HOCU0020	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/29/80-07/29/80	0	1	
HOCU0021	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/29/80-07/29/80	0	1	
HOCU0022	No	00940	CHLORIDE, TOTAL IN WATER MG/L	09/10/86-10/22/97	11	11	
HOCU0023	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/24/92	0	4	
HOCU0024	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/17/78-05/17/78	0	1	
HOCU0025	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	0	1	
HOCU0026	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	0	1	
HOCU0027	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-10/22/97	5	10	
HOCU0028	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	11	197	A
HOCU0029	No	00940	CHLORIDE, TOTAL IN WATER MG/L	04/23/96-09/08/98	2	927	
HOCU0030	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-10/22/97	5	10	
HOCU0031	No	00940	CHLORIDE, TOTAL IN WATER MG/L	09/21/67-09/24/97	30	42	S
HOCU0032	No	00940	CHLORIDE, TOTAL IN WATER MG/L	01/22/76-09/21/77	1	19	
HOCU0033	No	00940	CHLORIDE, TOTAL IN WATER MG/L	11/08/65-09/05/73	7	8	
HOCU0034	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-08/19/97	5	7	
HOCU0035	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/22/79-05/22/79	0	1	
HOCU0036	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/22/79-05/22/79	0	1	
HOCU0037	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/24/97-09/23/97	0	5	
HOCU0039	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/24/97-09/23/97	0	5	
HOCU0040	No	00940	CHLORIDE, TOTAL IN WATER MG/L	04/27/76-04/27/76	0	1	
HOCU0041	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/25/97	5	9	
HOCU0042	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/25/97	5	9	
HOCU0043	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/05/97-09/25/97	0	4	
HOCU0045	No	00940	CHLORIDE, TOTAL IN WATER MG/L	01/29/76-09/25/97	21	30	
HOCU0046	No	00940	CHLORIDE, TOTAL IN WATER MG/L	10/17/95-09/04/96	0	5	
HOCU0047	No	00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	11	159	
HOCU0049	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/23/97-09/25/97	0	5	
HOCU0050	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/19/89-09/25/97	8	7	
HOCU0051	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/23/97-09/25/97	0	5	
HOCU0053	No	00940	CHLORIDE, TOTAL IN WATER MG/L	06/19/74-09/04/96	22	100	S
HOCU0054	No	00940	CHLORIDE, TOTAL IN WATER MG/L	08/05/97-09/23/97	0	4	
HOCU0056	No	00940	CHLORIDE, TOTAL IN WATER MG/L	11/08/65-06/14/77	11	35	
HOCU0057	No	00940	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	21	264	T,A
HOCU0058	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/06/75-05/06/75	0	1	
HOCU0060	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/29/80-05/22/91	10	70	
HOCU0062	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/29/80-08/27/80	0	3	
HOCU0063	No	00940	CHLORIDE, TOTAL IN WATER MG/L	06/23/76-09/04/96	20	67	
HOCU0064	No	00940	CHLORIDE, TOTAL IN WATER MG/L	06/23/76-04/30/80	3	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0065	No	00940	CHLORIDE, TOTAL IN WATER MG/L	04/30/80-09/05/96	16	34	
HOCU0068	No	00940	CHLORIDE, TOTAL IN WATER MG/L	05/29/80-09/23/87	7	26	
HOCU0003	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-09/23/97	12	10	
HOCU0008	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/92-09/23/97	5	6	
HOCU0010	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-10/22/97	12	9	
HOCU0011	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/79-05/22/79	0	1	
HOCU0012	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/92-08/25/92	0	1	
HOCU0013	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/04/97	5	7	
HOCU0016	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/24/92	0	4	
HOCU0017	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/97-10/22/97	0	6	
HOCU0018	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/80-07/29/80	0	1	
HOCU0020	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/80-07/29/80	0	1	
HOCU0021	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/80-07/29/80	0	1	
HOCU0022	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-10/22/97	12	12	
HOCU0023	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/24/92	0	4	
HOCU0024	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/17/78-05/17/78	0	1	
HOCU0027	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-10/22/97	5	10	
HOCU0028	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	11	196	A
HOCU0029	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/96-09/08/98	2	911	
HOCU0030	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-10/22/97	12	16	
HOCU0031	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/88-09/24/97	9	17	
HOCU0032	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/24/76-07/16/97	21	8	
HOCU0033	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/67-09/05/73	6	6	
HOCU0034	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-08/19/97	5	7	
HOCU0035	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/79-05/22/79	0	1	
HOCU0036	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/79-05/22/79	0	1	
HOCU0037	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/97-09/23/97	0	5	
HOCU0039	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/97-09/23/97	0	5	
HOCU0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/25/97	5	9	
HOCU0042	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/25/97	5	9	
HOCU0043	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/97-09/25/97	0	4	
HOCU0045	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/25/76-09/25/97	21	18	
HOCU0046	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/95-09/04/96	0	5	
HOCU0047	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	11	159	
HOCU0049	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/97-09/25/97	0	5	
HOCU0050	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/97-09/25/97	0	5	
HOCU0051	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/97-09/25/97	0	5	
HOCU0053	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/73-09/04/96	23	100	S
HOCU0054	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/97-09/23/97	0	4	
HOCU0056	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/67-06/14/77	9	25	
HOCU0057	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	21	276	T,A
HOCU0058	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/75-05/06/75	0	1	
HOCU0059	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/93-05/25/93	0	2	
HOCU0060	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-07/24/90	10	64	
HOCU0062	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-08/27/80	0	3	
HOCU0063	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	20	67	
HOCU0064	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-04/30/80	3	3	
HOCU0065	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/30/80-09/05/96	16	38	
HOCU0067	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/93-05/25/93	0	2	
HOCU0068	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-09/23/87	7	26	
HOCU0024	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/17/78-05/17/78	0	1	
HOCU0028	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	11	173	A
HOCU0032	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/24/76-08/23/77	1	7	
HOCU0033	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/05/70-09/05/73	2	3	
HOCU0045	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/25/76-08/16/77	1	7	
HOCU0047	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	11	148	
HOCU0056	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/70-06/14/77	6	11	
HOCU0058	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/06/75-05/06/75	0	1	
HOCU0003	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/23/97	0	4	
HOCU0008	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/19/97-09/23/97	0	3	
HOCU0010	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	0	5	
HOCU0013	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/19/97-09/04/97	0	2	
HOCU0017	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	0	5	
HOCU0022	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	0	5	
HOCU0027	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	0	5	
HOCU0028	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/08/73-09/24/73	0	4	
HOCU0030	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	0	5	
HOCU0031	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/24/97	0	4	
HOCU0034	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-08/19/97	0	2	
HOCU0037	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/23/97	0	4	
HOCU0039	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/23/97	0	4	
HOCU0041	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	0	4	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0042	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	0	4	
HOCU0043	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	0	4	
HOCU0045	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	0	5	
HOCU0047	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/24/73-09/24/73	0	1	
HOCU0049	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	0	4	
HOCU0050	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/23/97-09/25/97	0	5	
HOCU0051	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/23/97-09/25/97	0	5	
HOCU0056	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/24/73-09/24/73	0	1	
HOCU0001	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/07/79-08/10/79	0	3	
HOCU0024	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/17/78-05/17/78	0	1	
HOCU0028	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/25/74-06/23/77	2	7	
HOCU0029	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/23/96-09/08/98	2	927	
HOCU0047	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/26/74-06/13/77	2	7	
HOCU0056	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/26/74-06/14/77	2	7	
HOCU0058	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/06/75-09/05/75	0	4	
HOCU0053	No	00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/19/74-11/05/75	1	10	
HOCU0057	No	00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	02/04/75-11/06/75	0	26	
HOCU0018	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/29/80-07/29/80	0	1	
HOCU0020	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/29/80-07/29/80	0	1	
HOCU0021	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/29/80-07/29/80	0	1	
HOCU0057	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/12/86-05/12/86	0	1	
HOCU0003	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-09/23/97	12	15	
HOCU0008	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-09/23/97	12	12	
HOCU0010	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	12	14	
HOCU0012	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/25/92-08/25/92	0	1	
HOCU0013	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/04/97	5	8	
HOCU0016	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/24/92	0	4	
HOCU0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/97-10/22/97	0	6	
HOCU0018	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/29/80-07/29/80	0	1	
HOCU0020	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/29/80-07/29/80	0	1	
HOCU0021	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/29/80-07/29/80	0	1	
HOCU0022	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	12	16	
HOCU0023	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/24/92	0	4	
HOCU0027	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-10/22/97	5	10	
HOCU0028	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/25/75-06/23/77	1	5	
HOCU0030	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	12	21	
HOCU0031	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/08/88-09/24/97	9	18	
HOCU0032	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/24/76-07/16/97	21	8	
HOCU0034	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-08/19/97	5	7	
HOCU0037	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/97-09/23/97	0	5	
HOCU0039	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/97-09/23/97	0	5	
HOCU0041	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/25/97	5	9	
HOCU0042	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-08/05/97	5	6	
HOCU0043	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/05/97-09/25/97	0	4	
HOCU0045	No	01002	ARSENIC, TOTAL (UG/L AS AS)	02/25/76-09/25/97	21	14	
HOCU0046	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/12/96-09/04/96	0	4	
HOCU0047	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/27/75-06/13/77	1	5	
HOCU0049	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/97-09/25/97	0	5	
HOCU0050	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/19/89-09/25/97	8	7	
HOCU0051	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/97-09/25/97	0	5	
HOCU0053	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/03/85-09/04/96	11	11	
HOCU0054	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/05/97-09/23/97	0	4	
HOCU0056	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/26/75-06/14/77	1	5	
HOCU0057	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/26/81-09/04/96	15	10	
HOCU0058	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/06/75-05/06/75	0	1	
HOCU0059	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/03/92-05/25/93	0	5	
HOCU0063	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/10/96-09/04/96	0	9	
HOCU0065	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/10/96-09/05/96	0	6	
HOCU0067	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/03/92-05/25/93	0	6	
HOCU0003	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0008	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0023	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0031	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0059	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0053	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	04/28/81-08/12/91	10	17	
HOCU0057	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	04/28/81-08/10/83	2	43	
HOCU0060	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/24/83-09/11/84	1	21	
HOCU0063	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/01/81-09/11/84	3	21	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0065	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/01/81-07/10/84	3	8	
HOCU0068	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/10/83-08/10/83	0	3	
HOCU0029	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/23/96-08/25/98	2	710	
HOCU0031	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/15/88-07/15/88	0	1	
HOCU0032	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/24/76-08/23/77	1	7	
HOCU0045	No	01007	BARIUM, TOTAL (UG/L AS BA)	02/25/76-08/16/77	1	7	
HOCU0053	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/27/81-05/17/89	7	37	
HOCU0054	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/05/97-09/23/97	0	4	
HOCU0057	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/28/81-03/31/87	5	52	
HOCU0058	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/06/75-05/06/75	0	1	
HOCU0060	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/24/83-09/23/87	4	55	
HOCU0063	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/01/81-09/11/84	3	21	
HOCU0065	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/01/81-07/10/84	3	8	
HOCU0068	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/10/83-09/23/87	4	20	
HOCU0003	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0008	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0023	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0031	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0063	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0053	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/28/81-09/11/84	3	16	
HOCU0057	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/28/81-08/10/83	2	43	
HOCU0060	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/24/83-09/11/84	1	21	
HOCU0063	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/01/81-09/11/84	3	21	
HOCU0065	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/01/81-07/10/84	3	8	
HOCU0068	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/10/83-08/10/83	0	3	
HOCU0053	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/27/81-05/17/89	7	37	
HOCU0057	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/28/81-03/31/87	5	52	
HOCU0060	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/24/83-09/23/87	4	55	
HOCU0063	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/01/81-09/11/84	3	21	
HOCU0065	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/01/81-07/10/84	3	8	
HOCU0068	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/10/83-09/23/87	4	20	
HOCU0063	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0058	No	01022	BORON, TOTAL (UG/L AS B)	05/06/75-05/06/75	0	1	
HOCU0018	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/29/80-07/29/80	0	1	
HOCU0020	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/29/80-07/29/80	0	1	
HOCU0021	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/29/80-07/29/80	0	1	
HOCU0031	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/05/71-07/06/72	1	12	
HOCU0053	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-08/10/82	5	22	
HOCU0057	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	8	122	
HOCU0060	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/29/80-06/25/80	0	2	
HOCU0062	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/29/80-06/25/80	0	2	
HOCU0063	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/30/80-07/01/81	1	17	
HOCU0064	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/30/80-04/30/80	0	1	
HOCU0065	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/30/80-07/01/81	1	14	
HOCU0068	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/29/80-06/26/80	0	2	
HOCU0003	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/73-09/23/97	24	18	
HOCU0005	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/23/79	0	3	
HOCU0006	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/31/88-05/31/88	0	1	
HOCU0008	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/85-09/23/97	12	11	
HOCU0009	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/31/88-05/31/88	0	1	
HOCU0010	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/85-10/22/97	12	15	
HOCU0011	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/79-05/22/79	0	1	
HOCU0012	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/25/92-08/25/92	0	1	
HOCU0013	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/92-09/04/97	5	8	
HOCU0015	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/02/87-09/02/87	0	1	
HOCU0016	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/92-09/24/92	0	4	
HOCU0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/31/88-10/22/97	9	7	
HOCU0018	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/29/80-07/29/80	0	1	
HOCU0020	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/29/80-07/29/80	0	1	
HOCU0021	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/29/80-07/29/80	0	1	
HOCU0022	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/22/97	18	17	
HOCU0023	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/92-09/24/92	0	4	
HOCU0025	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/31/88-05/31/88	0	1	
HOCU0026	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/31/88-05/31/88	0	1	
HOCU0027	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/92-10/22/97	5	10	
HOCU0029	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/96-09/08/98	2	905	
HOCU0030	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/22/97	18	25	
HOCU0031	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/04/70-09/24/97	26	78	S
HOCU0032	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/75-07/16/97	22	10	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0034	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/14/79-08/19/97	18	10	
HOCU0035	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/79-05/22/79	0	1	
HOCU0036	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/79-05/22/79	0	1	
HOCU0037	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/97-09/23/97	0	5	
HOCU0039	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/97-09/23/97	0	5	
HOCU0040	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/30/81-08/25/81	0	6	
HOCU0041	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/92-09/25/97	5	9	
HOCU0042	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-09/25/97	18	12	
HOCU0043	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/05/97-09/25/97	0	4	
HOCU0045	No	01027	CADMIUM, TOTAL (UG/L AS CD)	02/25/76-09/25/97	21	29	
HOCU0046	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/12/96-09/04/96	0	4	
HOCU0049	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/23/97-09/25/97	0	5	
HOCU0050	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/19/89-09/25/97	8	9	
HOCU0051	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/23/97-09/25/97	0	5	
HOCU0053	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/74-09/04/96	22	45	S
HOCU0054	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/05/97-09/23/97	0	4	
HOCU0057	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	21	164	T
HOCU0058	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-05/06/75	0	1	
HOCU0059	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/03/92-05/25/93	0	6	
HOCU0060	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/80-08/26/85	5	8	
HOCU0062	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/80-06/25/80	0	2	
HOCU0063	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/80-09/04/96	16	25	
HOCU0064	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/80-04/30/80	0	1	
HOCU0065	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/80-09/05/96	16	19	
HOCU0067	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/03/92-05/25/93	0	6	
HOCU0068	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/80-06/26/80	0	2	
HOCU0003	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/15/92	7	2	
HOCU0004	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0008	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0023	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0031	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0059	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0003	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/15/92	7	2	
HOCU0004	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0008	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0023	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0031	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0059	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0018	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/80-07/29/80	0	1	
HOCU0020	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/80-07/29/80	0	1	
HOCU0021	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/80-07/29/80	0	1	
HOCU0031	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/05/71-07/06/72	1	12	
HOCU0053	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/76-08/10/82	6	26	
HOCU0057	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	9	134	
HOCU0060	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/29/80-06/25/80	0	2	
HOCU0062	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/29/80-06/25/80	0	2	
HOCU0063	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/76-07/01/81	5	32	
HOCU0064	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/76-04/30/80	3	3	
HOCU0065	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/30/80-07/01/81	1	14	
HOCU0068	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/29/80-06/26/80	0	2	
HOCU0003	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/73-09/23/97	24	18	
HOCU0005	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/23/79	0	3	
HOCU0006	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-05/31/88	0	1	
HOCU0008	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/85-09/23/97	12	11	
HOCU0009	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-05/31/88	0	1	
HOCU0010	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/85-10/22/97	12	15	
HOCU0011	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/79-05/22/79	0	1	
HOCU0012	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/25/92-08/25/92	0	1	
HOCU0013	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/04/97	5	8	
HOCU0015	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/02/87-09/02/87	0	1	
HOCU0016	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/24/92	0	4	
HOCU0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-10/22/97	9	7	
HOCU0018	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/29/80-07/29/80	0	1	
HOCU0020	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/29/80-07/29/80	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0021	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/29/80-07/29/80	0	1	
HOCU0022	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	18	19	
HOCU0023	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/24/92	0	4	
HOCU0025	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-05/31/88	0	1	
HOCU0026	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-05/31/88	0	1	
HOCU0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-10/22/97	5	10	
HOCU0028	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/25/75-06/23/77	1	5	
HOCU0029	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/96-08/25/98	2	667	
HOCU0030	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	18	25	
HOCU0031	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/04/70-09/24/97	26	79	S
HOCU0032	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/75-07/16/97	22	10	
HOCU0034	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/79-08/19/97	18	10	
HOCU0035	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/79-05/22/79	0	1	
HOCU0036	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/79-05/22/79	0	1	
HOCU0037	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/97-09/23/97	0	5	
HOCU0039	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/97-09/23/97	0	5	
HOCU0040	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/30/81-08/25/81	0	6	
HOCU0041	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/25/97	5	9	
HOCU0042	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-09/25/97	18	12	
HOCU0043	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/05/97-09/25/97	0	4	
HOCU0045	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/25/76-09/25/97	21	29	
HOCU0046	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/12/96-09/04/96	0	4	
HOCU0047	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/27/75-06/13/77	1	5	
HOCU0049	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/97-09/25/97	0	5	
HOCU0050	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/19/89-09/25/97	8	9	
HOCU0051	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/97-09/25/97	0	5	
HOCU0053	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/16/75-09/04/96	21	43	
HOCU0054	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/05/97-09/23/97	0	4	
HOCU0056	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/26/75-06/14/77	1	5	
HOCU0057	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	21	170	T
HOCU0058	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-05/06/75	0	1	
HOCU0059	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/92-05/25/93	0	6	
HOCU0060	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/80-08/26/85	5	8	
HOCU0062	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/80-06/25/80	0	2	
HOCU0063	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/76-09/04/96	20	40	
HOCU0064	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/76-04/30/80	3	3	
HOCU0065	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/80-09/05/96	16	19	
HOCU0067	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/92-05/25/93	0	6	
HOCU0068	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/80-06/26/80	0	2	
HOCU0058	No	01037	COBALT, TOTAL (UG/L AS CO)	05/06/75-05/06/75	0	1	
HOCU0063	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0018	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/29/80-07/29/80	0	1	
HOCU0020	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/29/80-07/29/80	0	1	
HOCU0021	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/29/80-07/29/80	0	1	
HOCU0031	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/05/71-07/06/72	1	12	
HOCU0053	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/76-08/10/82	6	9	
HOCU0057	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/21/76-05/12/86	9	41	
HOCU0063	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/76-07/01/81	5	16	
HOCU0064	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/76-09/10/76	0	2	
HOCU0065	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/01/81-07/01/81	0	1	
HOCU0003	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/73-09/23/97	24	18	
HOCU0005	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/23/79	0	3	
HOCU0006	No	01042	COPPER, TOTAL (UG/L AS CU)	05/31/88-05/31/88	0	1	
HOCU0008	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/85-09/23/97	12	11	
HOCU0009	No	01042	COPPER, TOTAL (UG/L AS CU)	05/31/88-05/31/88	0	1	
HOCU0010	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/85-10/22/97	12	15	
HOCU0011	No	01042	COPPER, TOTAL (UG/L AS CU)	05/22/79-05/22/79	0	1	
HOCU0012	No	01042	COPPER, TOTAL (UG/L AS CU)	08/25/92-08/25/92	0	1	
HOCU0013	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/92-09/04/97	5	8	
HOCU0015	No	01042	COPPER, TOTAL (UG/L AS CU)	09/02/87-09/02/87	0	1	
HOCU0016	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/92-09/24/92	0	4	
HOCU0017	No	01042	COPPER, TOTAL (UG/L AS CU)	05/31/88-10/22/97	9	7	
HOCU0018	No	01042	COPPER, TOTAL (UG/L AS CU)	07/29/80-07/29/80	0	1	
HOCU0020	No	01042	COPPER, TOTAL (UG/L AS CU)	07/29/80-07/29/80	0	1	
HOCU0021	No	01042	COPPER, TOTAL (UG/L AS CU)	07/29/80-07/29/80	0	1	
HOCU0022	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	18	20	
HOCU0023	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/92-09/24/92	0	4	
HOCU0025	No	01042	COPPER, TOTAL (UG/L AS CU)	05/31/88-05/31/88	0	1	
HOCU0026	No	01042	COPPER, TOTAL (UG/L AS CU)	05/31/88-05/31/88	0	1	
HOCU0027	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/92-10/22/97	5	10	
HOCU0028	No	01042	COPPER, TOTAL (UG/L AS CU)	08/25/75-06/23/77	1	5	
HOCU0029	No	01042	COPPER, TOTAL (UG/L AS CU)	04/23/96-08/25/98	2	709	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0030	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	18	25	
HOCU0031	No	01042	COPPER, TOTAL (UG/L AS CU)	12/04/70-09/24/97	26	80	S
HOCU0032	No	01042	COPPER, TOTAL (UG/L AS CU)	03/24/76-07/16/97	21	8	
HOCU0034	No	01042	COPPER, TOTAL (UG/L AS CU)	08/14/79-08/19/97	18	10	
HOCU0035	No	01042	COPPER, TOTAL (UG/L AS CU)	05/22/79-05/22/79	0	1	
HOCU0036	No	01042	COPPER, TOTAL (UG/L AS CU)	05/22/79-05/22/79	0	1	
HOCU0037	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/97-09/23/97	0	5	
HOCU0039	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/97-09/23/97	0	5	
HOCU0040	No	01042	COPPER, TOTAL (UG/L AS CU)	06/30/81-08/25/81	0	6	
HOCU0041	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/92-09/25/97	5	9	
HOCU0042	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-09/25/97	18	12	
HOCU0043	No	01042	COPPER, TOTAL (UG/L AS CU)	08/05/97-09/25/97	0	4	
HOCU0045	No	01042	COPPER, TOTAL (UG/L AS CU)	02/25/76-09/25/97	21	29	
HOCU0046	No	01042	COPPER, TOTAL (UG/L AS CU)	06/12/96-09/04/96	0	4	
HOCU0047	No	01042	COPPER, TOTAL (UG/L AS CU)	08/27/75-06/13/77	1	5	
HOCU0049	No	01042	COPPER, TOTAL (UG/L AS CU)	07/23/97-09/25/97	0	5	
HOCU0050	No	01042	COPPER, TOTAL (UG/L AS CU)	07/19/89-09/25/97	8	9	
HOCU0051	No	01042	COPPER, TOTAL (UG/L AS CU)	07/23/97-09/25/97	0	5	
HOCU0053	No	01042	COPPER, TOTAL (UG/L AS CU)	06/19/74-09/04/96	22	33	
HOCU0054	No	01042	COPPER, TOTAL (UG/L AS CU)	08/05/97-09/23/97	0	4	
HOCU0056	No	01042	COPPER, TOTAL (UG/L AS CU)	08/26/75-06/14/77	1	5	
HOCU0057	No	01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	21	90	
HOCU0058	No	01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-05/06/75	0	1	
HOCU0059	No	01042	COPPER, TOTAL (UG/L AS CU)	08/03/92-05/25/93	0	6	
HOCU0060	No	01042	COPPER, TOTAL (UG/L AS CU)	06/03/85-08/26/85	0	6	
HOCU0063	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/76-09/04/96	20	24	
HOCU0064	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/76-09/10/76	0	2	
HOCU0065	No	01042	COPPER, TOTAL (UG/L AS CU)	07/10/96-09/05/96	0	6	
HOCU0067	No	01042	COPPER, TOTAL (UG/L AS CU)	08/03/92-05/25/93	0	6	
HOCU0003	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-10/15/92	7	2	
HOCU0004	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0008	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0023	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0031	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0059	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0003	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/79-09/23/97	18	11	
HOCU0005	No	01045	IRON, TOTAL (UG/L AS FE)	10/23/79-10/23/79	0	1	
HOCU0008	No	01045	IRON, TOTAL (UG/L AS FE)	08/20/92-09/23/97	5	6	
HOCU0010	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/92-10/22/97	5	8	
HOCU0011	No	01045	IRON, TOTAL (UG/L AS FE)	05/22/79-05/22/79	0	1	
HOCU0012	No	01045	IRON, TOTAL (UG/L AS FE)	08/25/92-08/25/92	0	1	
HOCU0013	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/92-09/04/97	5	8	
HOCU0015	No	01045	IRON, TOTAL (UG/L AS FE)	09/02/87-09/02/87	0	1	
HOCU0016	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/92-09/24/92	0	4	
HOCU0017	No	01045	IRON, TOTAL (UG/L AS FE)	07/23/97-10/22/97	0	6	
HOCU0022	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/79-10/22/97	18	13	
HOCU0023	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/92-09/24/92	0	4	
HOCU0027	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/92-10/22/97	5	10	
HOCU0029	No	01045	IRON, TOTAL (UG/L AS FE)	04/23/96-08/25/98	2	707	
HOCU0030	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/79-10/22/97	18	19	
HOCU0031	No	01045	IRON, TOTAL (UG/L AS FE)	08/14/79-09/24/97	18	35	
HOCU0032	No	01045	IRON, TOTAL (UG/L AS FE)	05/31/74-07/16/97	23	16	
HOCU0034	No	01045	IRON, TOTAL (UG/L AS FE)	08/14/79-08/19/97	18	10	
HOCU0035	No	01045	IRON, TOTAL (UG/L AS FE)	05/22/79-05/22/79	0	1	
HOCU0036	No	01045	IRON, TOTAL (UG/L AS FE)	05/22/79-05/22/79	0	1	
HOCU0037	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/97-09/23/97	0	5	
HOCU0039	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/97-09/23/97	0	5	
HOCU0040	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/81-08/25/81	0	6	
HOCU0041	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/92-09/25/97	5	9	
HOCU0042	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/79-09/25/97	18	12	
HOCU0043	No	01045	IRON, TOTAL (UG/L AS FE)	08/05/97-09/25/97	0	4	
HOCU0045	No	01045	IRON, TOTAL (UG/L AS FE)	02/25/76-09/25/97	21	29	
HOCU0046	No	01045	IRON, TOTAL (UG/L AS FE)	10/17/95-09/17/96	0	19	
HOCU0049	No	01045	IRON, TOTAL (UG/L AS FE)	07/23/97-09/25/97	0	5	
HOCU0050	No	01045	IRON, TOTAL (UG/L AS FE)	07/19/89-09/25/97	8	9	
HOCU0051	No	01045	IRON, TOTAL (UG/L AS FE)	07/23/97-09/25/97	0	5	
HOCU0053	No	01045	IRON, TOTAL (UG/L AS FE)	06/19/74-10/29/96	22	98	S
HOCU0054	No	01045	IRON, TOTAL (UG/L AS FE)	08/05/97-09/23/97	0	4	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0057	No	01045	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	21	265	T,A
HOCU0058	No	01045	IRON, TOTAL (UG/L AS FE)	05/06/75-05/06/75	0	1	
HOCU0060	No	01045	IRON, TOTAL (UG/L AS FE)	05/29/80-09/23/87	7	58	
HOCU0062	No	01045	IRON, TOTAL (UG/L AS FE)	05/29/80-08/27/80	0	3	
HOCU0063	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	20	81	
HOCU0064	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/76-04/30/80	3	3	
HOCU0065	No	01045	IRON, TOTAL (UG/L AS FE)	04/30/80-09/18/96	16	41	
HOCU0068	No	01045	IRON, TOTAL (UG/L AS FE)	05/29/80-09/23/87	7	23	
HOCU0018	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/80-07/29/80	0	1	
HOCU0020	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/80-07/29/80	0	1	
HOCU0021	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/80-07/29/80	0	1	
HOCU0024	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/17/78-05/17/78	0	1	
HOCU0028	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/25/74-06/23/77	2	7	
HOCU0031	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/17/80-10/16/80	0	4	
HOCU0047	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/26/74-06/13/77	2	7	
HOCU0053	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/16/75-10/29/96	21	68	
HOCU0056	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/26/74-06/14/77	2	7	
HOCU0057	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	8	205	A
HOCU0060	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/29/80-09/11/84	4	24	
HOCU0062	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/29/80-08/27/80	0	3	
HOCU0063	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	8	54	
HOCU0064	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-04/30/80	3	3	
HOCU0065	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/30/80-07/10/84	4	23	
HOCU0068	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/29/80-08/10/83	3	6	
HOCU0018	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/29/80-07/29/80	0	1	
HOCU0020	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/29/80-07/29/80	0	1	
HOCU0021	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/29/80-07/29/80	0	1	
HOCU0053	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/76-08/10/82	6	8	
HOCU0057	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/21/76-05/12/86	9	36	
HOCU0063	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/76-07/01/81	5	16	
HOCU0064	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/76-09/10/76	0	2	
HOCU0065	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/01/81-07/01/81	0	1	
HOCU0003	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-09/23/97	18	17	
HOCU0005	No	01051	LEAD, TOTAL (UG/L AS PB)	10/23/79-10/23/79	0	1	
HOCU0006	No	01051	LEAD, TOTAL (UG/L AS PB)	05/31/88-05/31/88	0	1	
HOCU0008	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/85-09/23/97	12	11	
HOCU0009	No	01051	LEAD, TOTAL (UG/L AS PB)	05/31/88-05/31/88	0	1	
HOCU0010	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/85-10/22/97	12	15	
HOCU0011	No	01051	LEAD, TOTAL (UG/L AS PB)	05/22/79-05/22/79	0	1	
HOCU0012	No	01051	LEAD, TOTAL (UG/L AS PB)	08/25/92-08/25/92	0	1	
HOCU0013	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/92-09/04/97	5	8	
HOCU0015	No	01051	LEAD, TOTAL (UG/L AS PB)	09/02/87-09/02/87	0	1	
HOCU0016	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/92-09/24/92	0	4	
HOCU0017	No	01051	LEAD, TOTAL (UG/L AS PB)	05/31/88-10/22/97	9	7	
HOCU0018	No	01051	LEAD, TOTAL (UG/L AS PB)	07/29/80-07/29/80	0	1	
HOCU0020	No	01051	LEAD, TOTAL (UG/L AS PB)	07/29/80-07/29/80	0	1	
HOCU0021	No	01051	LEAD, TOTAL (UG/L AS PB)	07/29/80-07/29/80	0	1	
HOCU0022	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	18	20	
HOCU0023	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/92-09/24/92	0	4	
HOCU0025	No	01051	LEAD, TOTAL (UG/L AS PB)	05/31/88-05/31/88	0	1	
HOCU0026	No	01051	LEAD, TOTAL (UG/L AS PB)	05/31/88-05/31/88	0	1	
HOCU0027	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/92-10/22/97	5	10	
HOCU0028	No	01051	LEAD, TOTAL (UG/L AS PB)	08/25/75-06/23/77	1	5	
HOCU0029	No	01051	LEAD, TOTAL (UG/L AS PB)	04/23/96-08/25/98	2	666	
HOCU0030	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	18	25	
HOCU0031	No	01051	LEAD, TOTAL (UG/L AS PB)	01/08/74-09/24/97	23	36	S
HOCU0032	No	01051	LEAD, TOTAL (UG/L AS PB)	11/22/74-07/16/97	22	11	
HOCU0034	No	01051	LEAD, TOTAL (UG/L AS PB)	08/14/79-08/19/97	18	10	
HOCU0035	No	01051	LEAD, TOTAL (UG/L AS PB)	05/22/79-05/22/79	0	1	
HOCU0036	No	01051	LEAD, TOTAL (UG/L AS PB)	05/22/79-05/22/79	0	1	
HOCU0037	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/97-09/23/97	0	5	
HOCU0039	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/97-09/23/97	0	5	
HOCU0040	No	01051	LEAD, TOTAL (UG/L AS PB)	06/30/81-08/25/81	0	5	
HOCU0041	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/92-09/25/97	5	9	
HOCU0042	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-09/25/97	18	12	
HOCU0043	No	01051	LEAD, TOTAL (UG/L AS PB)	08/05/97-09/25/97	0	4	
HOCU0045	No	01051	LEAD, TOTAL (UG/L AS PB)	02/25/76-09/25/97	21	29	
HOCU0046	No	01051	LEAD, TOTAL (UG/L AS PB)	06/12/96-09/04/96	0	4	
HOCU0047	No	01051	LEAD, TOTAL (UG/L AS PB)	08/27/75-06/13/77	1	5	
HOCU0049	No	01051	LEAD, TOTAL (UG/L AS PB)	07/23/97-09/25/97	0	5	
HOCU0050	No	01051	LEAD, TOTAL (UG/L AS PB)	07/19/89-09/25/97	8	9	
HOCU0051	No	01051	LEAD, TOTAL (UG/L AS PB)	07/23/97-09/25/97	0	5	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0053	No	01051	LEAD, TOTAL (UG/L AS PB)	06/19/74-09/04/96	22	33	
HOCU0054	No	01051	LEAD, TOTAL (UG/L AS PB)	08/05/97-09/23/97	0	4	
HOCU0056	No	01051	LEAD, TOTAL (UG/L AS PB)	08/26/75-06/14/77	1	5	
HOCU0057	No	01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	21	90	
HOCU0058	No	01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-05/06/75	0	1	
HOCU0059	No	01051	LEAD, TOTAL (UG/L AS PB)	08/03/92-05/25/93	0	6	
HOCU0060	No	01051	LEAD, TOTAL (UG/L AS PB)	06/03/85-08/26/85	0	6	
HOCU0063	No	01051	LEAD, TOTAL (UG/L AS PB)	06/23/76-09/04/96	20	24	
HOCU0064	No	01051	LEAD, TOTAL (UG/L AS PB)	06/23/76-09/10/76	0	2	
HOCU0065	No	01051	LEAD, TOTAL (UG/L AS PB)	07/10/96-09/05/96	0	6	
HOCU0067	No	01051	LEAD, TOTAL (UG/L AS PB)	08/03/92-05/25/93	0	6	
HOCU0003	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-10/15/92	7	2	
HOCU0004	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0008	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0023	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0031	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0059	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0059	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0003	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/23/97	0	5	
HOCU0008	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/23/97	0	4	
HOCU0010	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	0	6	
HOCU0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/25/92-08/25/92	0	1	
HOCU0013	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/04/97	0	4	
HOCU0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	0	6	
HOCU0018	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/80-07/29/80	0	1	
HOCU0020	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/80-07/29/80	0	1	
HOCU0021	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/80-07/29/80	0	1	
HOCU0022	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	0	6	
HOCU0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	0	6	
HOCU0028	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/12/66-09/12/66	0	1	
HOCU0029	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/23/96-08/25/98	2	710	
HOCU0030	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	0	6	
HOCU0031	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/08/88-09/24/97	9	11	
HOCU0032	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/76-08/23/77	1	7	
HOCU0034	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-08/19/97	0	3	
HOCU0037	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/97-09/23/97	0	5	
HOCU0039	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/97-09/23/97	0	5	
HOCU0041	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	0	5	
HOCU0042	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	0	5	
HOCU0043	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/97-09/25/97	0	4	
HOCU0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/25/76-09/25/97	21	22	
HOCU0046	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/17/95-09/17/96	0	19	
HOCU0047	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/09/65-08/20/69	3	34	
HOCU0049	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	0	5	
HOCU0050	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	0	5	
HOCU0051	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	0	5	
HOCU0053	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/74-10/29/96	22	98	S
HOCU0054	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/97-09/23/97	0	4	
HOCU0057	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	21	265	T,A
HOCU0058	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/06/75-05/06/75	0	1	
HOCU0059	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-05/25/93	0	4	
HOCU0060	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-09/23/87	7	57	
HOCU0062	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-08/27/80	0	3	
HOCU0063	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	20	81	
HOCU0064	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-04/30/80	3	3	
HOCU0065	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/30/80-09/18/96	16	41	
HOCU0067	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-05/25/93	0	4	
HOCU0068	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-09/23/87	7	23	
HOCU0018	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/80-07/29/80	0	1	
HOCU0020	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/80-07/29/80	0	1	
HOCU0021	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/80-07/29/80	0	1	
HOCU0024	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/17/78-05/17/78	0	1	
HOCU0028	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/25/74-06/23/77	2	7	
HOCU0047	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/26/74-06/13/77	2	7	
HOCU0053	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/75-10/29/96	21	68	
HOCU0056	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/26/74-06/14/77	2	7	
HOCU0057	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	8	205	A

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0060	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/29/80-09/11/84	4	23	
HOCU0062	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/29/80-08/27/80	0	3	
HOCU0063	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	8	54	
HOCU0064	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-04/30/80	3	3	
HOCU0065	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/30/80-07/10/84	4	23	
HOCU0068	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/29/80-08/10/83	3	6	
HOCU0053	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	04/28/81-05/11/82	1	7	
HOCU0057	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	04/28/81-08/10/82	1	39	
HOCU0063	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	07/01/81-07/01/81	0	1	
HOCU0065	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	07/01/81-07/01/81	0	1	
HOCU0053	No	01059	THALLIUM, TOTAL (UG/L AS TL)	05/27/81-05/11/82	0	6	
HOCU0057	No	01059	THALLIUM, TOTAL (UG/L AS TL)	05/27/81-05/11/82	0	30	
HOCU0063	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/01/81-07/01/81	0	1	
HOCU0065	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/01/81-07/01/81	0	1	
HOCU0058	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	05/06/75-05/06/75	0	1	
HOCU0018	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/29/80-07/29/80	0	1	
HOCU0020	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/29/80-07/29/80	0	1	
HOCU0021	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/29/80-07/29/80	0	1	
HOCU0053	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/25/81-08/10/82	0	2	
HOCU0057	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/26/81-05/12/86	4	11	
HOCU0063	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/81-07/01/81	0	1	
HOCU0065	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/81-07/01/81	0	1	
HOCU0003	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-09/23/97	18	17	
HOCU0005	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/10/79-10/23/79	0	2	
HOCU0006	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/31/88-05/31/88	0	1	
HOCU0008	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/85-09/23/97	12	12	
HOCU0009	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/31/88-05/31/88	0	1	
HOCU0010	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/85-10/22/97	12	15	
HOCU0011	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/22/79-05/22/79	0	1	
HOCU0012	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/25/92-08/25/92	0	1	
HOCU0013	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/04/97	5	8	
HOCU0015	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/02/87-09/02/87	0	1	
HOCU0016	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/24/92	0	4	
HOCU0017	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/31/88-10/22/97	9	7	
HOCU0018	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/29/80-07/29/80	0	1	
HOCU0020	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/29/80-07/29/80	0	1	
HOCU0021	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/29/80-07/29/80	0	1	
HOCU0022	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	18	20	
HOCU0023	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/24/92	0	4	
HOCU0025	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/31/88-05/31/88	0	1	
HOCU0026	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/31/88-05/31/88	0	1	
HOCU0027	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/92-10/22/97	5	10	
HOCU0030	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	18	25	
HOCU0031	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/08/74-09/24/97	23	37	S
HOCU0032	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/75-07/16/97	22	3	
HOCU0034	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/14/79-08/19/97	18	10	
HOCU0035	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/22/79-05/22/79	0	1	
HOCU0036	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/22/79-05/22/79	0	1	
HOCU0037	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/97-09/23/97	0	5	
HOCU0039	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/97-09/23/97	0	5	
HOCU0040	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/30/81-08/25/81	0	6	
HOCU0041	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/25/97	5	9	
HOCU0042	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-09/25/97	18	12	
HOCU0043	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/05/97-09/25/97	0	4	
HOCU0045	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/15/78-09/25/97	19	21	
HOCU0046	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/12/96-09/04/96	0	4	
HOCU0049	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/23/97-09/25/97	0	5	
HOCU0050	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/19/89-09/25/97	8	9	
HOCU0051	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/23/97-09/25/97	0	5	
HOCU0053	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/19/74-09/04/96	22	25	
HOCU0054	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/05/97-09/23/97	0	4	
HOCU0057	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/12/74-09/04/96	21	54	
HOCU0058	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/06/75-05/06/75	0	1	
HOCU0060	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/03/85-08/26/85	0	6	
HOCU0063	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/10/96-09/04/96	0	9	
HOCU0065	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/10/96-09/05/96	0	6	
HOCU0003	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/15/92	7	2	
HOCU0004	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0008	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0023	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/06/92-10/06/92	0	1	

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**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0030	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0031	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0059	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0031	No	01077	SILVER, TOTAL (UG/L AS AG)	08/22/88-08/22/88	0	1	
HOCU0032	No	01077	SILVER, TOTAL (UG/L AS AG)	03/24/76-08/23/77	1	6	
HOCU0045	No	01077	SILVER, TOTAL (UG/L AS AG)	02/25/76-08/16/77	1	7	
HOCU0053	No	01077	SILVER, TOTAL (UG/L AS AG)	04/16/75-11/05/75	0	5	
HOCU0057	No	01077	SILVER, TOTAL (UG/L AS AG)	04/17/75-11/06/75	0	21	
HOCU0058	No	01077	SILVER, TOTAL (UG/L AS AG)	05/06/75-05/06/75	0	1	
HOCU0063	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0029	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	04/23/96-08/25/98	2	711	
HOCU0054	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/05/97-09/23/97	0	4	
HOCU0059	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/03/92-05/25/93	0	4	
HOCU0067	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/03/92-05/25/93	0	4	
HOCU0059	No	01083	STRONTIUM IN BOTTOM DEPOSITS (MG/KG AS SR DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0018	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/29/80-07/29/80	0	1	
HOCU0020	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/29/80-07/29/80	0	1	
HOCU0021	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/29/80-07/29/80	0	1	
HOCU0031	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/05/71-07/06/72	1	12	
HOCU0053	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/76-09/11/84	8	37	
HOCU0057	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	7	158	
HOCU0060	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/29/80-09/11/84	4	24	
HOCU0062	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/29/80-08/27/80	0	3	
HOCU0063	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	8	51	
HOCU0064	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-04/30/80	3	3	
HOCU0065	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/30/80-07/10/84	4	20	
HOCU0068	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/29/80-08/10/83	3	6	
HOCU0003	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/73-09/23/97	24	18	
HOCU0005	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/23/79	0	3	
HOCU0006	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/31/88-05/31/88	0	1	
HOCU0008	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/85-09/23/97	12	12	
HOCU0009	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/31/88-05/31/88	0	1	
HOCU0010	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/85-10/22/97	12	15	
HOCU0011	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/22/79-05/22/79	0	1	
HOCU0012	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/25/92-08/25/92	0	1	
HOCU0013	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/04/97	5	8	
HOCU0015	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/02/87-09/02/87	0	1	
HOCU0016	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/24/92	0	4	
HOCU0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/31/88-10/22/97	9	7	
HOCU0018	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/29/80-07/29/80	0	1	
HOCU0020	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/29/80-07/29/80	0	1	
HOCU0021	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/29/80-07/29/80	0	1	
HOCU0022	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	18	22	
HOCU0023	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/24/92	0	4	
HOCU0025	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/31/88-05/31/88	0	1	
HOCU0026	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/31/88-05/31/88	0	1	
HOCU0027	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/92-10/22/97	5	10	
HOCU0028	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/25/75-06/23/77	1	4	
HOCU0029	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/96-08/25/98	2	701	
HOCU0030	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	18	27	
HOCU0031	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	26	132	T,S
HOCU0032	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/75-07/16/97	22	10	
HOCU0034	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/14/79-08/19/97	18	10	
HOCU0035	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/22/79-05/22/79	0	1	
HOCU0036	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/22/79-05/22/79	0	1	
HOCU0037	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/97-09/23/97	0	5	
HOCU0039	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/97-09/23/97	0	5	
HOCU0040	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/30/81-08/25/81	0	6	
HOCU0041	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/25/97	5	9	
HOCU0042	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-09/25/97	18	12	
HOCU0043	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/05/97-09/25/97	0	4	
HOCU0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/25/76-09/25/97	21	29	
HOCU0046	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/12/96-09/04/96	0	4	
HOCU0047	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/27/75-06/13/77	1	5	
HOCU0049	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/23/97-09/25/97	0	5	
HOCU0050	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/19/89-09/25/97	8	9	
HOCU0051	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/23/97-09/25/97	0	5	
HOCU0053	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/03/75-09/04/96	21	67	
HOCU0054	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/05/97-09/23/97	0	4	
HOCU0056	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/26/75-06/14/77	1	5	

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**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0057	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	21	203	T,A
HOCU0058	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-05/06/75	0	1	
HOCU0059	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/03/92-05/25/93	0	6	
HOCU0060	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-09/23/87	7	57	
HOCU0062	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-08/27/80	0	3	
HOCU0063	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	20	60	
HOCU0064	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-04/30/80	3	3	
HOCU0065	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/80-09/05/96	16	26	
HOCU0067	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/03/92-05/25/93	0	6	
HOCU0068	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-09/23/87	7	23	
HOCU0003	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-10/15/92	7	2	
HOCU0004	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0008	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0023	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-10/06/92	7	2	
HOCU0031	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0059	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0053	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	04/28/81-09/11/84	3	16	
HOCU0057	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	04/28/81-08/10/83	2	43	
HOCU0060	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/24/83-09/11/84	1	21	
HOCU0063	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/01/81-09/11/84	3	21	
HOCU0065	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/01/81-07/10/84	3	8	
HOCU0068	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/10/83-08/10/83	0	3	
HOCU0053	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	04/28/81-05/17/89	8	32	
HOCU0057	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	05/27/81-03/17/87	5	44	
HOCU0060	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	05/24/83-12/02/86	3	39	
HOCU0063	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/01/81-09/11/84	3	21	
HOCU0065	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/01/81-07/10/84	3	8	
HOCU0068	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/10/83-08/10/83	0	3	
HOCU0063	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0053	No	01102	TIN, TOTAL (UG/L AS SN)	04/16/75-11/05/75	0	5	
HOCU0057	No	01102	TIN, TOTAL (UG/L AS SN)	04/17/75-11/06/75	0	21	
HOCU0003	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/23/97	0	5	
HOCU0008	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/23/97	0	5	
HOCU0010	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	0	6	
HOCU0011	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/79-05/22/79	0	1	
HOCU0013	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/04/97	0	4	
HOCU0017	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	0	6	
HOCU0018	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/80-07/29/80	0	1	
HOCU0020	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/80-07/29/80	0	1	
HOCU0021	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/80-07/29/80	0	1	
HOCU0022	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	0	6	
HOCU0027	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	0	6	
HOCU0029	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/23/96-08/25/98	2	705	
HOCU0030	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/16/97-10/22/97	0	11	
HOCU0031	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/08/88-09/24/97	9	13	
HOCU0032	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/16/97-07/16/97	0	1	
HOCU0034	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-08/19/97	0	3	
HOCU0035	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/79-05/22/79	0	1	
HOCU0036	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/79-05/22/79	0	1	
HOCU0037	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/24/97-09/23/97	0	5	
HOCU0039	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/24/97-09/23/97	0	5	
HOCU0041	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	0	5	
HOCU0042	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	0	5	
HOCU0043	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/97-09/25/97	0	4	
HOCU0045	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/15/78-09/25/97	19	11	
HOCU0046	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/12/96-09/04/96	0	4	
HOCU0049	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	0	5	
HOCU0050	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	0	5	
HOCU0051	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	0	5	
HOCU0053	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/20/76-09/04/96	20	48	
HOCU0054	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/97-09/23/97	0	4	
HOCU0057	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	20	96	
HOCU0060	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/24/83-09/23/87	4	55	
HOCU0063	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	20	45	
HOCU0064	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/10/76	0	2	
HOCU0065	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/01/81-09/05/96	15	14	
HOCU0068	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/83-09/23/87	4	20	
HOCU0018	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/80-07/29/80	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0020	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/80-07/29/80	0	1	
HOCU0021	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/80-07/29/80	0	1	
HOCU0053	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/20/76-09/11/84	8	23	
HOCU0057	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/21/76-08/10/83	7	73	
HOCU0060	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/24/83-09/11/84	1	21	
HOCU0063	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/23/76-09/11/84	8	36	
HOCU0064	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/23/76-09/10/76	0	2	
HOCU0065	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/01/81-07/10/84	3	8	
HOCU0068	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/10/83-08/10/83	0	3	
HOCU0063	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0018	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/29/80-07/29/80	0	1	
HOCU0020	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/29/80-07/29/80	0	1	
HOCU0021	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/29/80-07/29/80	0	1	
HOCU0057	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/12/86-05/12/86	0	1	
HOCU0003	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-09/23/97	12	10	
HOCU0008	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-09/23/97	12	10	
HOCU0010	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-10/22/97	12	12	
HOCU0013	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/04/97	0	4	
HOCU0017	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-10/22/97	0	6	
HOCU0018	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/29/80-07/29/80	0	1	
HOCU0020	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/29/80-07/29/80	0	1	
HOCU0021	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/29/80-07/29/80	0	1	
HOCU0022	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-10/22/97	12	14	
HOCU0027	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-10/22/97	0	6	
HOCU0030	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-10/22/97	12	13	
HOCU0031	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/24/97	0	5	
HOCU0032	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/24/76-08/23/77	1	6	
HOCU0034	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-08/19/97	0	3	
HOCU0037	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/97-09/23/97	0	5	
HOCU0039	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/97-09/23/97	0	5	
HOCU0041	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/05/97-09/25/97	0	4	
HOCU0042	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	0	5	
HOCU0043	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/05/97-09/25/97	0	4	
HOCU0045	No	01147	SELENIUM, TOTAL (UG/L AS SE)	02/25/76-09/25/97	21	13	
HOCU0049	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	0	5	
HOCU0050	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	0	5	
HOCU0051	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	0	5	
HOCU0053	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/26/85-08/04/86	0	6	
HOCU0054	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/05/97-09/23/97	0	4	
HOCU0057	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/26/81-08/26/81	0	1	
HOCU0058	No	01147	SELENIUM, TOTAL (UG/L AS SE)	05/06/75-05/06/75	0	1	
HOCU0059	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/25/93-05/25/93	0	1	
HOCU0063	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0003	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0008	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0010	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/15/92-10/15/92	0	1	
HOCU0022	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0023	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0030	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/06/92-10/06/92	0	1	
HOCU0031	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/07/92-10/07/92	0	1	
HOCU0063	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0003	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	05/02/73-05/02/73	0	1	
HOCU0031	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/10/73-02/04/76	3	18	
HOCU0032	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	04/30/75-02/15/77	1	7	
HOCU0045	No	01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	02/25/76-08/16/77	1	6	
HOCU0031	No	01501	ALPHA, TOTAL	10/07/76-10/07/76	0	1	
HOCU0031	No	03501	BETA, TOTAL	10/07/76-10/07/76	0	1	
HOCU0057	No	03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03644	BENZO(A)ANTHRACENE,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03645	BENZO(B)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03646	BENZ(K)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03647	BENZO(GH)PERYLENE,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03649	BIS(2-CHLOROETHOXY)METHANE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03650	BIS(2-CHLOROETHYL)ETHER,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03651	BIS(2-CHLOROISOPROPYL)ETHER,LIQ FRAC,ELUTRIAT UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03652	BIS(2-ETHYLHEXYL)PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03653	BROMOPHENYL,4-PHENYL ETHER,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03654	N-BUTYL BENZYL PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03655	CHLORONAPHTHALENE,2-,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0057	No	03656	CHLOROPHENYL,4- PHENYL ETHER,LIQ FRAC,ELUTRIA UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03658	DIBENZO(A,H)ANTHRACENE,LIQUID FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03659	DI-N-BUTYL PHTHALATE,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03660	DICHLOROBENZENE,1,2-,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03661	DICHLOROBENZENE,1,3-,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03662	DICHLOROBENZENE,1,4-,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03663	DICHLOROBENZIDENE,3,3-,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03665	DIMETHYL PHTHALATE, LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03668	DI-N-OCTYL PHTHALATE,LIQUID FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03671	HEXACHLOROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03673	HEXACHLOROCYCLOPENTADIENE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03675	INDENO(1,2,3-CD) PYRENE,LIQUID FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03679	N-NITROSODIMETHYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03680	N-NITROSODIPHENYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03681	N-NITROSO-DI-N-PROPYLAMINE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03684	TRICHLOROBENZENE,1,2,4-, LIQ FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03685	PHOSPHORUS, LIQUID FRACTION, ELUTRIATE UG/L	06/03/85-06/03/85	0	1	
HOCU0060	No	03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03687	ANTIMONY (SB), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-08/14/84	0	1	
HOCU0060	No	03689	BARIUM (BA), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0057	No	03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-08/14/84	0	1	
HOCU0060	No	03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03720	NITROGEN,TOTAL KJELDAHL,LIQ FRAC, ELUTRIATE MG/L	06/03/85-06/03/85	0	1	
HOCU0057	No	03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation From 12/10/56 To 09/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0060	No	03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03737	GAMMA-BHC (LINDANE),LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03737	GAMMA-BHC (LINDANE),LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0060	No	03747	BETA-ENDOSULFAN, LIQ FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03748	ENDOSULFAN SULFATE,LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03748	ENDOSULFAN SULFATE,LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03749	HEPTACHLOR, LIQUID, FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03749	HEPTACHLOR, LIQUID, FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0057	No	03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	0	1	
HOCU0060	No	03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	08/14/84-06/03/85	0	2	
HOCU0007	No	30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30349	TETRACHLORODIBENZOFURAN, 2378-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30350	PENTACHLORODIBENZOFURAN,12378-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30351	PENTACHLORODIBENZOFURAN,23478-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30352	HEXACHLORODIBENZOFURAN,123478-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30353	HEXACHLORODIBENZOFURAN,123678-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30354	HEXACHLORODIBENZOFURAN,123789-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30355	HEXACHLORODIBENZOFURAN,234678-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30356	HEPTACHLORODIBENZOFURAN,1234678-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0007	No	30357	HEPTACHLORODIBENZOFURAN,1234789-, FISH,WET WT,PG/G	09/16/85-09/17/85	0	2	
HOCU0012	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/25/92-08/25/92	0	1	
HOCU0061	No	31501	COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/25/80-09/17/80	0	6	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0066	No	31501	COLIFORM,TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 35C	08/25/80-09/17/80	0	6	
HOCU0001	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/07/79-08/10/79	0	3	
HOCU0003	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	4	
HOCU0008	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/27/97-08/27/97	0	1	
HOCU0010	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/20/92-08/27/97	5	3	
HOCU0013	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	3	
HOCU0016	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/20/92	0	2	
HOCU0017	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	0	2	
HOCU0022	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	4	
HOCU0023	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/20/92	0	2	
HOCU0027	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	4	
HOCU0030	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	4	
HOCU0031	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-08/27/97	22	14	
HOCU0032	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-09/21/77	2	21	
HOCU0034	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	4	
HOCU0037	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	0	2	
HOCU0039	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	0	2	
HOCU0040	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/27/76-08/25/81	5	11	
HOCU0041	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	4	
HOCU0042	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	5	4	
HOCU0043	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	0	2	
HOCU0045	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	21	62	
HOCU0049	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	0	2	
HOCU0050	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/19/89-08/27/97	8	6	
HOCU0051	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	0	2	
HOCU0058	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/06/75-09/05/75	0	4	
HOCU0059	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/03/92-05/25/93	0	3	
HOCU0061	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/80-09/17/80	0	6	
HOCU0066	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/80-09/17/80	0	6	
HOCU0067	No	31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/92-05/25/93	0	2	
HOCU0059	No	31648	E. COLI - MTEC-MF NO/100ML	05/25/93-05/25/93	0	1	
HOCU0067	No	31648	E. COLI - MTEC-MF NO/100ML	05/25/93-05/25/93	0	1	
HOCU0001	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	06/07/79-08/10/79	0	3	
HOCU0008	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	07/31/97-07/31/97	0	1	
HOCU0031	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/30/75-07/29/88	13	5	
HOCU0032	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/30/75-09/21/77	2	21	
HOCU0040	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/27/76-12/17/76	0	7	
HOCU0042	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	08/27/97-08/27/97	0	1	
HOCU0045	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	01/29/76-09/20/77	1	19	
HOCU0050	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	07/19/89-10/03/89	0	3	
HOCU0058	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	05/06/75-09/05/75	0	4	
HOCU0061	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	08/25/80-09/17/80	0	6	
HOCU0066	No	31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	08/25/80-09/17/80	0	6	
HOCU0008	No	32101	BROMODICHLOROMETHANE, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	32101	BROMODICHLOROMETHANE, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	32101	BROMODICHLOROMETHANE, WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0008	No	32102	CARBON TETRACHLORIDE, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	32102	CARBON TETRACHLORIDE, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	32102	CARBON TETRACHLORIDE, WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0008	No	32103	1,2-DICHLOROETHANE, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	32103	1,2-DICHLOROETHANE, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	32103	1,2-DICHLOROETHANE, WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0008	No	32104	BROMOFORM, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	32104	BROMOFORM, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	32104	BROMOFORM, WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0008	No	32105	DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	32105	DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	32105	DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0008	No	32106	CHLOROFORM, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	32106	CHLOROFORM, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	32106	CHLOROFORM, WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0046	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/17/95-09/17/96	0	15	
HOCU0053	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/12/78-11/19/96	18	89	
HOCU0057	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	18	294	T,A
HOCU0060	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	10	126	
HOCU0062	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-08/27/80	0	5	
HOCU0063	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	16	133	
HOCU0064	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/23/86	6	2	
HOCU0065	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	16	95	
HOCU0068	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-09/29/87	7	83	
HOCU0046	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/17/95-09/17/96	0	15	
HOCU0053	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	18	84	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0057	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	18	272	T,A
HOCU0060	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	10	111	
HOCU0062	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-08/27/80	0	4	
HOCU0063	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	16	124	
HOCU0064	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/23/86	6	2	
HOCU0065	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/28/80-09/30/96	16	86	
HOCU0068	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-09/29/87	7	71	
HOCU0046	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/17/95-09/17/96	0	15	
HOCU0053	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/12/78-11/19/96	18	79	
HOCU0057	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	18	237	T,A
HOCU0060	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	10	121	
HOCU0062	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-08/27/80	0	5	
HOCU0063	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	16	112	
HOCU0064	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/23/86	6	2	
HOCU0065	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	16	88	
HOCU0068	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-09/29/87	7	83	
HOCU0046	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/17/95-09/17/96	0	15	
HOCU0053	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	18	84	
HOCU0057	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	18	271	T,A
HOCU0060	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	10	109	
HOCU0062	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-08/27/80	0	4	
HOCU0063	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	16	123	
HOCU0064	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/23/86	6	2	
HOCU0065	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/28/80-09/30/96	16	86	
HOCU0068	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-09/29/87	7	71	
HOCU0046	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	10/17/95-09/17/96	0	15	
HOCU0053	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/12/78-11/19/96	18	84	
HOCU0057	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	18	267	T,A
HOCU0060	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/29/80-05/22/91	10	109	
HOCU0062	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/29/80-08/27/80	0	2	
HOCU0063	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	16	122	
HOCU0064	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/30/80-09/23/86	6	2	
HOCU0065	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/28/80-09/30/96	16	86	
HOCU0068	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/29/80-09/29/87	7	70	
HOCU0003	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-10/09/85	0	6	
HOCU0008	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-11/06/85	0	6	
HOCU0010	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-10/09/85	0	6	
HOCU0022	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-11/07/89	4	9	
HOCU0030	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-01/06/87	1	8	
HOCU0031	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	10	65	
HOCU0032	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/22/76-09/21/77	1	19	
HOCU0040	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/30/81-08/25/81	0	6	
HOCU0045	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/29/76-08/05/81	5	33	
HOCU0050	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/18/89-10/03/89	0	3	
HOCU0008	No	34010	TOLUENE IN WTR SMPL GC-MS, HEXADECONE EXTR.(UG/L)	11/06/85-11/06/85	0	1	
HOCU0030	No	34010	TOLUENE IN WTR SMPL GC-MS, HEXADECONE EXTR.(UG/L)	03/18/86-03/18/86	0	1	
HOCU0031	No	34010	TOLUENE IN WTR SMPL GC-MS, HEXADECONE EXTR.(UG/L)	07/08/88-07/08/88	0	1	
HOCU0008	No	34030	BENZENE IN WTR SMPL GC-MS, HEXADECONE EXTR.(UG/L)	11/06/85-11/06/85	0	1	
HOCU0030	No	34030	BENZENE IN WTR SMPL GC-MS, HEXADECONE EXTR.(UG/L)	03/18/86-03/18/86	0	1	
HOCU0031	No	34030	BENZENE IN WTR SMPL GC-MS, HEXADECONE EXTR.(UG/L)	07/08/88-07/08/88	0	2	
HOCU0031	No	34101	NITROGLYCERIN, WATER SAMPLE BY GAS CHROMATOGRAPHY M	07/08/88-07/08/88	0	1	
HOCU0008	No	34200	ACENAPHTHYLENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34200	ACENAPHTHYLENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34200	ACENAPHTHYLENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34205	ACENAPHTHENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34205	ACENAPHTHENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34205	ACENAPHTHENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34208	ACENAPHTHENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34208	ACENAPHTHENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34220	ANTHRACENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34220	ANTHRACENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34220	ANTHRACENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34223	ANTHRACENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34223	ANTHRACENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34230	BENZO(B)FLUORANTHENE, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34230	BENZO(B)FLUORANTHENE, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34230	BENZO(B)FLUORANTHENE, WHOLE WATER, UG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34233	BENZO(B)FLUORANTHENE, SEDIMENTS, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34233	BENZO(B)FLUORANTHENE, SEDIMENTS, DRY WGT, UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34237	BENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0008	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34247	BENZO-A-PYRENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34247	BENZO-A-PYRENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34247	BENZO-A-PYRENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34257	B-BHC-BETA DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34257	B-BHC-BETA DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34290	BROMOFORM DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34301	CHLOROBENZENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34301	CHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34301	CHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34304	CHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34311	CHLOROETHANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34311	CHLOROETHANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0030	No	34314	CHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	34318	CHLOROFORM DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34320	CHRYSENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34320	CHRYSENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34320	CHRYSENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34323	CHRYSENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34323	CHRYSENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34336	DIETHYL PHTHALATE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34336	DIETHYL PHTHALATE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34336	DIETHYL PHTHALATE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34341	DIMETHYL PHTHALATE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34341	DIMETHYL PHTHALATE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34341	DIMETHYL PHTHALATE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34371	ETHYLBENZENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34371	ETHYLBENZENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34374	ETHYLBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0008	No	34376	FLUORANTHENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34376	FLUORANTHENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34376	FLUORANTHENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34379	FLUORANTHENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34379	FLUORANTHENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34381	FLUORENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34381	FLUORENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34381	FLUORENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34384	FLUORENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34384	FLUORENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	34394	HEXACHLOROBUTADIENE BOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0007	No	34395	HEXACHLOROBUTADIENE WET WGT TISM/KG	09/17/85-09/17/85	0	2	
HOCU0008	No	34396	HEXACHLOROETHANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34396	HEXACHLOROETHANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34396	HEXACHLOROETHANE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34408	ISOPHORONE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34408	ISOPHORONE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34408	ISOPHORONE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34411	ISOPHORONE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34411	ISOPHORONE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34413	METHYL BROMIDE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34413	METHYL BROMIDE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0030	No	34416	METHYL BROMIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34418	METHYL CHLORIDE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34418	METHYL CHLORIDE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0030	No	34421	METHYL CHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34423	METHYLENE CHLORIDE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34423	METHYLENE CHLORIDE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34445	NAPHTHALENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34445	NAPHTHALENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34447	NITROBENZENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34447	NITROBENZENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34447	NITROBENZENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34450	NITROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34450	NITROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34452	PARACHLOROMETA CRESOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34452	PARACHLOROMETA CRESOL TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34452	PARACHLOROMETA CRESOL TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34460	PCP (PENTACHLOROPHENOL) SUSPUG/L	08/21/85-08/21/85	0	1	
HOCU0008	No	34461	PHENANTHRENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34461	PHENANTHRENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34461	PHENANTHRENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34464	PHENANTHRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34464	PHENANTHRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34469	PYRENE TOTWUG/L	11/06/85-11/06/85	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0030	No	34469	PYRENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34469	PYRENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34472	PYRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34472	PYRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34475	TETRACHLOROETHYLENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34475	TETRACHLOROETHYLENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34480	THALLIUM DRY WGTBOTMG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34483	TOLUENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	34487	TRICHLOROETHYLENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	34495	VINYL CHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34496	1,1-DICHLOROETHANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34496	1,1-DICHLOROETHANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34496	1,1-DICHLOROETHANE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34509	1,1,1-TRICHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34524	BENZO(GH)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34524	BENZO(GH)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0063	No	34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0007	No	34555	1,2,4-TRICHLOROBENZENE WET WGTISMKG/KG	09/17/85-09/17/85	0	2	
HOCU0030	No	34555	1,2,4-TRICHLOROBENZENE WET WGTISMKG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0008	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34581	2-CHLORONAPHTHALENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34581	2-CHLORONAPHTHALENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34581	2-CHLORONAPHTHALENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34586	2-CHLOROPHENOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34586	2-CHLOROPHENOL TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34586	2-CHLOROPHENOL TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34591	2-NITROPHENOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34591	2-NITROPHENOL TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34591	2-NITROPHENOL TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34594	2-NITROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34594	2-NITROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34601	2,4-DICHLOROPHENOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34601	2,4-DICHLOROPHENOL TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34601	2,4-DICHLOROPHENOL TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34606	2,4-DIMETHYLPHENOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34606	2,4-DIMETHYLPHENOL TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34606	2,4-DIMETHYLPHENOL TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34611	2,4-DINITROTOLUENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34611	2,4-DINITROTOLUENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34611	2,4-DINITROTOLUENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34616	2,4-DINITROPHENOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34616	2,4-DINITROPHENOL TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34616	2,4-DINITROPHENOL TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34626	2,6-DINITROTOLUENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34626	2,6-DINITROTOLUENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34626	2,6-DINITROTOLUENE TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0030	No	34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34646	4-NITROPHENOL TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0031	No	34646	4-NITROPHENOL TOTWUG/L	07/08/88-07/08/88	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0030	No	34649	4-NITROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34649	4-NITROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0063	No	34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	10/29/96-10/29/96	0	1	
HOCU0007	No	34685	ENDRIN WET WGTTISMKG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMKG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	34687	HEPTACHLOR WET WGTTISMKG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	34688	HEXACHLORO BENZENE WET WGTTISMKG/KG	09/17/85-09/17/85	0	2	
HOCU0030	No	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	34696	NAPHTHALENE TOTWUG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34696	NAPHTHALENE TOTWUG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	34696	NAPHTHALENE TOTWUG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	03/18/86-03/18/86	0	1	
HOCU0030	No	34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	08/21/85-08/21/85	0	1	
HOCU0008	No	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	03/18/86-03/18/86	0	1	
HOCU0007	No	34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	09/16/85-09/17/85	0	2	
HOCU0032	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/22/76-09/21/77	1	19	
HOCU0040	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/27/76-04/27/76	0	1	
HOCU0045	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/29/76-05/18/78	2	20	
HOCU0047	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/01/66-08/01/67	0	2	
HOCU0058	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/06/75-05/06/75	0	1	
HOCU0063	No	38435	DALAPON SEDDRYWGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	38444	DICAMBA (BANVEL) SEDDRYWGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	38452	DICHLORPROP SEDDRYWGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0029	No	38477	LINURON WATER, TOTUG/L	04/29/96-07/22/97	1	37	
HOCU0063	No	38484	MCPA SEDDRYWGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	38494	MCPP SEDDRYWGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	38748	2,4-DB SEDDRYWGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0031	No	38760	DBCP WATER, TOTUG/L	07/08/88-07/08/88	0	2	
HOCU0063	No	38781	DINOSEB SEDDRYWGTUG/KG	10/29/96-10/29/96	0	1	
HOCU0007	No	38824	ISOPROPALIN TISWETWGTMG/KG	09/17/85-09/17/85	0	2	
HOCU0008	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/08/88-07/08/88	0	1	
HOCU0029	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	1	37	
HOCU0029	No	39055	SIMAZINE IN WHOLE WATER (UG/L)	04/29/96-07/22/97	1	37	
HOCU0030	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/29/96-10/29/96	0	1	
HOCU0007	No	39063	CHLORDANE-CIS ISOMER, TISSUE WET WGT (UG/G)	09/17/85-09/17/85	0	2	
HOCU0007	No	39066	CHLORDANE-TRANS ISOMER, TISSUE WET WGT (UG/G)	09/17/85-09/17/85	0	2	
HOCU0007	No	39074	BHC-ALPHA ISOMER, TISSUE UG/G WET WGT	09/17/85-09/17/85	0	2	
HOCU0030	No	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	08/21/85-08/21/85	0	1	
HOCU0063	No	39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	10/29/96-10/29/96	0	1	
HOCU0030	No	39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER, UG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	39102	BIS(2-ETHYLHEXYL) PHTHALATE, SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39102	BIS(2-ETHYLHEXYL) PHTHALATE, SEDIMENT, DRY WGT, UG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	39110	DI-N-BUTYL PHTHALATE, WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	39110	DI-N-BUTYL PHTHALATE, WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	39110	DI-N-BUTYL PHTHALATE, WHOLE WATER, UG/L	07/08/88-07/08/88	0	1	
HOCU0030	No	39112	DI-N-BUTYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39112	DI-N-BUTYL PHTHALATE, SEDIMENTS, DRY WGT, UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	08/21/85-08/21/85	0	1	
HOCU0063	No	39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	10/29/96-10/29/96	0	1	
HOCU0008	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	03/18/86-03/18/86	0	1	
HOCU0008	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/08/88-07/08/88	0	2	
HOCU0030	No	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	0	1	
HOCU0063	No	39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0030	No	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	0	1	
HOCU0063	No	39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0007	No	39319	MONOCHLOROBIPHENYL, TOTAL, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	0	2	

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Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0030	No	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	0	1	
HOCU0063	No	39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0007	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/17/85-09/17/85	0	2	
HOCU0030	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/21/85-08/21/85	0	1	
HOCU0063	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0007	No	39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0030	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	0	1	
HOCU0007	No	39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0030	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	0	1	
HOCU0007	No	39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0029	No	39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	04/29/96-07/22/97	1	37	
HOCU0030	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/21/85-08/21/85	0	1	
HOCU0063	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/96-10/29/96	0	1	
HOCU0030	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/21/85-08/21/85	0	1	
HOCU0063	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0030	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/21/85-08/21/85	0	1	
HOCU0063	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/96-10/29/96	0	1	
HOCU0007	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/17/85-09/17/85	0	2	
HOCU0007	No	39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0030	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/21/85-08/21/85	0	1	
HOCU0063	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0030	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	08/21/85-08/21/85	0	1	
HOCU0063	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/29/96-10/29/96	0	1	
HOCU0030	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	08/21/85-08/21/85	0	1	
HOCU0063	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/29/96-10/29/96	0	1	
HOCU0030	No	39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	08/21/85-08/21/85	0	1	
HOCU0063	No	39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	10/29/96-10/29/96	0	1	
HOCU0008	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	11/06/85-11/06/85	0	1	
HOCU0030	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	03/18/86-03/18/86	0	1	
HOCU0031	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	07/08/88-07/08/88	0	1	
HOCU0030	No	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	0	1	
HOCU0063	No	39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0008	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	11/06/85-11/06/85	0	1	
HOCU0030	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	03/18/86-03/18/86	0	1	
HOCU0031	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	07/08/88-07/08/88	0	2	
HOCU0030	No	39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	08/21/85-08/21/85	0	1	
HOCU0063	No	39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0063	No	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0063	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	0	1	
HOCU0007	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0029	No	46313	PHORATE IN WHOLE WATER SAMPLE (UG/L)	04/29/96-07/22/97	1	37	
HOCU0007	No	46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	09/17/85-09/17/85	0	2	
HOCU0029	No	46373	DEETHYLATRAZINE, TOTAL, WATER UG/L	04/29/96-07/22/97	1	37	
HOCU0029	No	46374	DEISOPROPYLATRAZINE, TOTAL, WATER UG/L	04/29/96-07/22/97	1	37	
HOCU0001	No	60050	ALGAE, TOTAL (CELLS/ML)	06/07/79-08/10/79	0	3	
HOCU0058	No	60050	ALGAE, TOTAL (CELLS/ML)	05/06/75-05/06/75	0	1	
HOCU0003	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/85-09/23/97	12	15	
HOCU0006	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/31/88-05/31/88	0	1	
HOCU0008	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/85-09/23/97	11	9	
HOCU0009	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/31/88-05/31/88	0	1	
HOCU0010	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/85-10/22/97	12	15	
HOCU0012	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/25/92-08/25/92	0	1	
HOCU0013	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/04/97	5	8	
HOCU0016	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/24/92	0	4	

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Station/Parameter Period of Record Tabulation **From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0017	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/31/88-10/22/97	9	7	
HOCU0022	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/85-10/22/97	12	18	
HOCU0023	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/24/92	0	4	
HOCU0024	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/17/78-05/17/78	0	1	
HOCU0025	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/31/88-05/31/88	0	1	
HOCU0026	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/31/88-05/31/88	0	1	
HOCU0027	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/25/97	5	9	
HOCU0028	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	7	167	
HOCU0030	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/85-10/22/97	12	22	
HOCU0031	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/17/80-09/24/97	17	30	
HOCU0032	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/16/97-07/16/97	0	1	
HOCU0033	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/08/65-09/05/73	7	8	
HOCU0034	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-08/19/97	5	7	
HOCU0037	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/97-09/23/97	0	5	
HOCU0039	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/97-09/23/97	0	5	
HOCU0040	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-08/25/81	0	6	
HOCU0041	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/25/97	5	9	
HOCU0042	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/25/97	5	9	
HOCU0043	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/05/97-09/25/97	0	4	
HOCU0045	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/27/80-09/25/97	17	23	
HOCU0047	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/65-08/16/72	6	140	
HOCU0049	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/97-09/25/97	0	5	
HOCU0050	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/19/89-09/25/97	8	8	
HOCU0051	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/97-09/25/97	0	5	
HOCU0053	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/16/73-09/16/73	0	1	
HOCU0054	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/05/97-09/23/97	0	4	
HOCU0056	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/08/65-08/17/72	6	7	
HOCU0058	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/06/75-05/06/75	0	1	
HOCU0059	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/92-05/25/93	0	4	
HOCU0067	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/03/92-05/25/93	0	4	
HOCU0024	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/17/78-05/17/78	0	1	
HOCU0028	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/25/74-06/23/77	2	7	
HOCU0047	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/26/74-06/13/77	2	7	
HOCU0056	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/26/74-06/14/77	2	7	
HOCU0028	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	11	151	
HOCU0033	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/09/68-09/05/73	4	5	
HOCU0047	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	10	118	
HOCU0056	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/08/65-06/14/77	11	12	
HOCU0024	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/17/78-05/17/78	0	1	
HOCU0028	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	11	150	
HOCU0033	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/09/68-09/05/73	4	5	
HOCU0047	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	10	116	
HOCU0056	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/15/68-06/14/77	8	11	
HOCU0058	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/06/75-05/06/75	0	1	
HOCU0003	No	70311	PH, CaCO3 STABILITY (STANDARD UNITS)	01/13/83-01/13/83	0	1	
HOCU0047	No	70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	01/10/57-02/24/62	5	9	
HOCU0047	No	70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	01/10/57-02/24/62	5	9	
HOCU0047	No	70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	01/10/57-02/24/62	5	9	
HOCU0047	No	70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	01/10/57-02/24/62	5	9	
HOCU0047	No	70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	01/10/57-02/24/62	5	9	
HOCU0047	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/10/56-01/22/62	5	31	
HOCU0047	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	12/10/56-02/24/62	5	30	
HOCU0047	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	12/10/56-01/22/62	5	29	
HOCU0047	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	12/10/56-05/08/61	4	22	
HOCU0047	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	04/08/57-04/08/57	0	2	
HOCU0047	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	12/10/56-07/16/62	5	29	
HOCU0047	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	12/10/56-07/16/62	5	29	
HOCU0047	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	12/10/56-07/16/62	5	29	
HOCU0047	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	12/10/56-07/16/62	5	29	
HOCU0047	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	12/10/56-07/16/62	5	29	
HOCU0047	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	01/22/62-01/22/62	0	1	
HOCU0047	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	02/24/62-07/16/62	0	2	
HOCU0047	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	01/22/62-01/22/62	0	1	
HOCU0001	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/07/79-08/10/79	0	3	
HOCU0003	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/06/80-11/06/80	0	1	
HOCU0024	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/17/78-05/17/78	0	1	
HOCU0031	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/06/80-11/06/80	0	1	
HOCU0058	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/06/75-09/05/75	0	4	
HOCU0007	No	70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	09/16/85-09/17/85	0	2	
HOCU0001	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	06/07/79-08/10/79	0	3	
HOCU0028	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	7	147	
HOCU0033	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/69-09/05/73	3	4	

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**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0047	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	7	148	
HOCU0056	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/02/70-07/18/73	2	12	
HOCU0001	No	71875	HYDROGEN SULFIDE (MG/L)	06/07/79-08/10/79	0	3	
HOCU0024	No	71875	HYDROGEN SULFIDE (MG/L)	05/17/78-05/17/78	0	1	
HOCU0058	No	71875	HYDROGEN SULFIDE (MG/L)	05/06/75-09/05/75	0	4	
HOCU0047	No	71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	10/15/69-09/25/70	0	12	
HOCU0028	No	71885	IRON (UG/L AS FE)	09/12/66-09/12/66	0	1	
HOCU0047	No	71885	IRON (UG/L AS FE)	10/09/65-09/25/70	4	46	
HOCU0001	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/79-08/10/79	0	3	
HOCU0002	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/79-08/10/79	0	2	
HOCU0028	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/12/66-09/12/66	0	1	
HOCU0033	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/05/70-09/05/73	2	3	
HOCU0047	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	6	120	
HOCU0056	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/02/70-08/17/72	1	3	
HOCU0001	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/07/79-08/10/79	0	3	
HOCU0002	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/07/79-08/10/79	0	2	
HOCU0024	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/17/78-05/17/78	0	1	
HOCU0058	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/06/75-09/05/75	0	4	
HOCU0018	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/29/80-07/29/80	0	1	
HOCU0020	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/29/80-07/29/80	0	1	
HOCU0021	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/29/80-07/29/80	0	1	
HOCU0053	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/22/76-08/09/83	7	18	
HOCU0057	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	9	79	
HOCU0060	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/27/80-08/27/80	0	1	
HOCU0062	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/27/80-08/27/80	0	1	
HOCU0063	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/23/76-08/27/80	4	17	
HOCU0064	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/23/76-09/10/76	0	2	
HOCU0065	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/26/80-08/26/80	0	2	
HOCU0068	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/26/80-08/26/80	0	1	
HOCU0003	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/23/97	18	7	
HOCU0005	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-10/23/79	0	2	
HOCU0008	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/23/97	0	5	
HOCU0010	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/24/97	0	5	
HOCU0013	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/04/97	0	4	
HOCU0017	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	0	5	
HOCU0018	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/29/80-07/29/80	0	1	
HOCU0020	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/29/80-07/29/80	0	1	
HOCU0021	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/29/80-07/29/80	0	1	
HOCU0022	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/25/97	18	8	
HOCU0027	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	0	5	
HOCU0028	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/03/70-06/23/77	6	13	
HOCU0030	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/25/97	18	8	
HOCU0031	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/14/79-09/24/97	18	8	
HOCU0032	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/27/76-08/23/77	1	6	
HOCU0034	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/14/79-08/19/97	18	6	
HOCU0037	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/97-09/23/97	0	5	
HOCU0039	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/97-09/23/97	0	5	
HOCU0041	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	0	5	
HOCU0042	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/25/97	18	7	
HOCU0043	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/05/97-09/25/97	0	4	
HOCU0045	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/25/76-09/25/97	21	24	
HOCU0047	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/27/75-06/13/77	1	5	
HOCU0049	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	0	5	
HOCU0050	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	0	5	
HOCU0051	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	0	5	
HOCU0053	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/19/74-08/09/83	9	27	
HOCU0054	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/05/97-09/23/97	0	4	
HOCU0056	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/26/75-06/14/77	1	5	
HOCU0057	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	8	98	
HOCU0058	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-05/06/75	0	1	
HOCU0060	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/27/80-08/27/80	0	1	
HOCU0062	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/27/80-08/27/80	0	1	
HOCU0063	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/23/76-08/27/80	4	16	
HOCU0064	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/23/76-09/10/76	0	2	
HOCU0065	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/26/80-08/26/80	0	2	
HOCU0068	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/26/80-08/26/80	0	1	
HOCU0063	No	71921	MERCURY, TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/29/96-10/29/96	0	1	
HOCU0007	No	71935	MERCURY, TOTAL IN FISH (PPM, WET WEIGHT BASIS)	09/17/85-09/17/85	0	1	
HOCU0047	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	12/10/56-06/29/57	0	21	
HOCU0058	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	05/06/75-05/06/75	0	2	
HOCU0022	No	75049	MERCURY (HG) SEDIMENT, DRY, WT, UG/KG	10/06/92-10/06/92	0	1	
HOCU0023	No	75049	MERCURY (HG) SEDIMENT, DRY, WT, UG/KG	10/06/92-10/06/92	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0059	No	75049	MERCURY (HG) SEDIMENT, DRY, WT, UG/KG	05/25/93-05/25/93	0	1	
HOCU0030	No	75059	ACETONE SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	75078	METHYL ETHYL KETONE SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	75166	2-HEXANONE SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	75169	METHYL ISOBUTYL KETONE SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	75192	STYRENE SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	75212	BENZYL ALCOHOL SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	75315	BENZOIC ACID SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	75647	DIBENZOFURAN SEDIMENT, DRY WGT, UG/KG	08/21/85-08/21/85	0	1	
HOCU0007	No	76530	BIPHENYL TISSUE, WET WGT, MG/KG	09/17/85-09/17/85	0	2	
HOCU0031	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77128	STYRENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77133	1,4-DIMETHYLBENZENE(P-XYLENE) WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77134	1,3-DIMETHYLBENZENE(M-XYLENE) WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77135	O-XYLENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77168	1,1-DICHLOROPROPENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77170	2,2-DICHLOROPROPANE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77173	1,3-DICHLOROPROPANE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77223	ISOPROPYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77224	N-PROPYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77297	CHLOROBROMOMETHANE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77342	N-BUTYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77350	SEC-BUTYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77353	TERT-BUTYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77596	METHYLENE BROMIDE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0031	No	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0008	No	77651	1,2-DIBROMOETHANE WHOLE WATER, UG/L	11/06/85-11/06/85	0	1	
HOCU0030	No	77651	1,2-DIBROMOETHANE WHOLE WATER, UG/L	03/18/86-03/18/86	0	1	
HOCU0031	No	77651	1,2-DIBROMOETHANE WHOLE WATER, UG/L	07/08/88-07/08/88	0	2	
HOCU0029	No	77825	ALACHLOR WHOLE WATER, UG/L	04/29/96-07/22/97	1	37	
HOCU0022	No	78049	METHYLBUTANEDIOIC ACID IN WATER UG/L	10/06/92-10/06/92	0	1	
HOCU0063	No	78362	O-XYLENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78365	BENZENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78366	CARBON TETRACHLORIDE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78367	CHLOROBENZENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78368	1,2-DICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78369	1,1,1-TRICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78370	1,1-DICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78371	1,1,2,2-TETRACHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78372	CHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78373	2-CHLOROETHYL VINYL ETHER SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78374	CHLOROFORM SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78375	1,1-DICHLOROETHENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78376	TRANS-1,2-DICHLOROETHENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78377	1,2-DICHLOROPROPANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78378	TRANS-1,3-DICHLOROPROPENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78379	CIS-1,3-DICHLOROPROPENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78380	ETHYLBENZENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78381	METHYLENE CHLORIDE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78382	CHLOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78383	BROMOMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78384	BROMOFORM SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78385	BROMODICHLOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78386	TRICHLOROFLUOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78387	DICHLORODIFLUOROMETHANE SEDWETWTMG/K	10/29/96-10/29/96	0	1	
HOCU0063	No	78388	DIBROMOCHLOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78389	TETRACHLOROETHENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78390	TOLUENE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78391	TRICHLOROETHENE SEDWETWTMG/K	10/29/96-10/29/96	0	1	
HOCU0063	No	78392	VINYL CHLORIDE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0063	No	78393	1,1,2-TRICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	0	1	
HOCU0030	No	78544	CARBON DISULFIDE IN SEDIMENT UG/KG	08/21/85-08/21/85	0	1	
HOCU0030	No	78803	P-CRESOL (4-METHYL PHENOL) IN SED DRY WGT UG/KG	08/21/85-08/21/85	0	1	
HOCU0007	No	78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	09/17/85-09/17/85	0	2	

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Station/Parameter Period of Record Tabulation From 12/10/56 To 09/08/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0007	No	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	09/17/85-09/17/85	0	2	
HOCU0003	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/85-10/09/85	0	5	
HOCU0006	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0009	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0010	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0017	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0022	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/10/86-09/10/86	0	1	
HOCU0025	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0026	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0030	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/85-10/09/85	0	5	
HOCU0054	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/05/97-09/23/97	0	4	
HOCU0003	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/85-10/09/85	0	5	
HOCU0006	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0009	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0010	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0017	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0025	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0026	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0030	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/85-10/09/85	0	5	
HOCU0025	No	80088	BOD, CARBONACEOUS, 30 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0047	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/10/56-07/16/62	5	33	
HOCU0047	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/10/56-07/16/62	5	33	
HOCU0009	No	81235	BOD, CARBONACEOUS, 42 DAY, 20 DEG C MG/L	05/31/88-05/31/88	0	1	
HOCU0029	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	1	37	
HOCU0029	No	81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	1	37	
HOCU0007	No	81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	09/17/85-09/17/85	0	2	
HOCU0029	No	81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	1	37	
HOCU0029	No	81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	04/29/96-07/22/97	1	37	
HOCU0029	No	81410	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	04/29/96-07/22/97	1	37	
HOCU0031	No	81555	BROMOBENZENE WHL WATER SMPL UG/L	07/08/88-07/08/88	0	2	
HOCU0007	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/17/85-09/17/85	0	2	
HOCU0007	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/17/85-09/17/85	0	2	
HOCU0007	No	81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	09/17/85-09/17/85	0	2	
HOCU0029	No	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	1	37	
HOCU0007	No	81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	09/17/85-09/17/85	0	2	
HOCU0029	No	81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	1	37	
HOCU0007	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/17/85-09/17/85	0	2	
HOCU0057	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/03/96-10/29/96	0	412	
HOCU0063	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/30/96-09/30/96	0	143	
HOCU0065	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/30/96-09/30/96	0	79	
HOCU0029	No	82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	04/29/96-07/22/97	1	37	
HOCU0057	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/27/81-08/10/83	2	34	
HOCU0060	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/28/81-05/24/83	2	37	
HOCU0062	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-07/29/81	0	25	
HOCU0063	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-08/10/83	2	21	
HOCU0065	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-07/13/82	1	30	
HOCU0068	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-08/10/83	2	25	
HOCU0001	No	82398	SAMPLING METHOD (CODES)	06/07/79-06/07/79	0	1	
HOCU0058	No	82398	SAMPLING METHOD (CODES)	09/05/75-09/05/75	0	1	
HOCU0029	No	82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	04/29/96-07/22/97	1	37	
HOCU0057	No	82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-03/31/87	5	282	
HOCU0060	No	82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-10/24/87	6	695	
HOCU0062	No	82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-08/26/81	0	81	
HOCU0063	No	82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-05/12/86	5	223	
HOCU0064	No	82537	TURBIDITY,FORWARD SCATTER JTU	09/23/86-09/23/86	0	2	
HOCU0065	No	82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-09/23/87	6	177	
HOCU0068	No	82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-09/23/87	6	307	
HOCU0001	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	08/10/79-08/10/79	0	1	
HOCU0002	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	08/10/79-08/10/79	0	1	
HOCU0024	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	05/17/78-05/17/78	0	1	
HOCU0058	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/05/75-09/05/75	0	1	
HOCU0001	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	08/10/79-08/10/79	0	1	
HOCU0002	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	08/10/79-08/10/79	0	1	
HOCU0024	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	05/17/78-05/17/78	0	1	
HOCU0058	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/05/75-09/05/75	0	1	
HOCU0007	No	84007	ANATOMY ALPHA CODE	09/16/85-09/17/85	0	3	
HOCU0007	No	85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	0	2	

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**Station/Parameter Period of Record Tabulation
From 12/10/56 To 09/08/98**

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
HOCU0007	No	85679	PENTACHLOROBENZENE TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85680	DIPHENYL DISULFIDE TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85681	OCTACHLOROSTYRENE TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85682	NITROFEN TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85683	PERTHANE TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	0	2	
HOCU0007	No	85684	DICOFOL (KELTHANE) TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	0	2	
HOCU0063	No	85791	ENDRIN KETONE, SEDIMENT, DRY WT, (SF) UG/KG	10/29/96-10/29/96	0	1	
HOCU0060	No	85798	NITROGEN, AMMONIA, ELUTRIATE TEST EXTRAC, AS N, MG/L	06/03/85-06/03/85	0	1	

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Station-By-Station Results

Station Inventory for Station: HOCU0001

NPS Station ID: HOCU0001 Location: ROSS LK AB DAM (L-1) NR CHILLICOTHE OH Station Type: /TYPA/AMBNT/LAKE RMI-Indexes: RMI-Miles: HUC: 05060002 Major Basin: Minor Basin: RF1 Index: 05060002 RF3 Index: 05060002006900.22 Description:	LAT/LON: 39.334726/ -82.906116 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.000 RF3 Mile Point: 1.91	Agency: 112WRD FIPS State/County: 39141 OHIO/ROSS STORET Station ID(s): 392005082542200 Within Park Boundary: No Aquifer: Water Body Id: ECO Region: Distance from RF1: 1.00 Distance from RF3: 0.02
		Date Created: 08/18/79 On/Off RF1: On/Off RF3:

Parameter Inventory for Station: HOCU0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/07/79-08/10/79	16	8.5	10.625	29.	0.	83.183	9.12	0.	2.5	18.75	26.2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/79-08/10/79	16	22.8	21.444	28.5	12.	37.479	6.122	12.35	15.275	28.05	28.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/07/79-08/10/79	3	1.	2.667	6.	1.	8.333	2.887	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/07/79-08/10/79	2	100.5	100.5	121.	80.	840.5	28.991	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/07/79-08/10/79	3	10.	11.667	20.	5.	58.333	7.638	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/79-08/10/79	16	292.	287.125	308.	265.	253.85	15.933	265.	269.75	300.	305.2
00300	OXYGEN, DISSOLVED MG/L	06/07/79-08/10/79	16	6.1	5.569	8.9	0.6	8.753	2.959	0.81	2.35	8.25	8.76
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/07/79-08/10/79	16	80.	66.25	102.	6.	1258.067	35.469	8.1	26.25	98.25	101.3
00310	BOD, 5 DAY, 20 DEG C MG/L	06/07/79-08/10/79	3	1.1	2.	3.8	1.1	2.43	1.559	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	06/07/79-08/10/79	3	41.	74.333	170.	12.	7074.333	84.109	**	**	**	**
00400	PH (STANDARD UNITS)	06/07/79-08/10/79	16	9.1	8.538	9.3	7.1	0.78	0.883	7.1	7.5	9.2	9.3
00400	CONVERTED PH (STANDARD UNITS)	06/07/79-08/10/79	16	9.1	7.717	9.3	7.1	1.498	1.224	7.1	7.5	9.2	9.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/79-08/10/79	16	0.001	0.019	0.079	0.001	0.001	0.032	0.001	0.001	0.04	0.079
00405	CARBON DIOXIDE (MG/L AS CO2)	06/07/79-08/10/79	3	0.1	6.7	20.	0.	132.67	11.518	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/79-08/10/79	3	80.	94.	131.	71.	1047.	32.357	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/07/79-08/10/79	3	67.	97.	160.	64.	2979.	54.58	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/07/79-08/10/79	3	11.	8.667	15.	0.	60.333	7.767	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	3	0.56	1.5	3.6	0.34	3.32	1.822	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/07/79-08/10/79	3	0.32	0.443	0.7	0.31	0.049	0.222	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/07/79-08/10/79	3	0.04	0.983	2.9	0.01	2.755	1.66	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	3	0.01	0.07	0.2	0.	0.013	0.113	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/79-08/10/79	3	0.35	1.427	3.6	0.33	3.543	1.882	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/79-08/10/79	3	0.05	0.09	0.21	0.01	0.011	0.106	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/07/79-08/10/79	3	0.06	0.113	0.28	0.	0.022	0.147	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/07/79-08/10/79	3	0.02	0.083	0.22	0.01	0.014	0.118	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/79-08/10/79	3	9.3	8.067	9.4	5.5	4.943	2.223	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/79-08/10/79	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/07/79-08/10/79	3	1.6	4.	9.7	0.7	24.57	4.957	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/07/79-08/10/79	3	4.	6.	10.	4.	12.	3.464	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/07/79-08/10/79	3	0.602	0.735	1.	0.602	0.053	0.23	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			5.429								
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	06/07/79-08/10/79	3	40.	45.333	70.	26.	505.333	22.48	**	**	**	**
31679	LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C,	06/07/79-08/10/79	3	1.602	1.621	1.845	1.415	0.047	0.216	**	**	**	**
31679	GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	GEOMETRIC MEAN =			41.755								
60050	ALGAE, TOTAL (CELLS/ML)	06/07/79-08/10/79	3	6200.	8066.667	16000.	2000.	5161333.333	7184.242	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/07/79-08/10/79	3 ##	0.005	0.033	0.09	0.005	0.002	0.049	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	06/07/79-08/10/79	3	0.05	1.187	3.5	0.01	4.014	2.004	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0001

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71875 HYDROGEN SULFIDE (MG/L)	06/07/79-08/10/79	3	0.2	0.7	1.9	0.	1.09	1.044	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/79-08/10/79	3	0.06	0.253	0.67	0.03	0.13	0.361	**	**	**	**
71887 NITROGEN, TOTAL, AS NO3 - MG/L	06/07/79-08/10/79	3	2.5	6.667	16.	1.5	65.583	8.098	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0001

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00							3	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	5	0.31							16	5	0.31			
00400 PH	Fresh Chronic	9.	16	9	0.56							16	9	0.56			
	Other-Lo Lim.	6.5	16	0	0.00							16	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00							3	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00							3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00							3	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
	Drinking Water	250.	2	0	0.00							2	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00							3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0002

NPS Station ID: HOCU0002 LAT/LON: 39.351949/ -82.914726
 Location: LICK RN AB ROSS LK (I-1) NR CHILLICOTHE OH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060002 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin:
 RF1 Index: 05060002 RF1 Mile Point: 0.000
 RF3 Index: 05060002098400.00 RF3 Mile Point: 2.60
 Description:

Agency: 112WRD
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 392107082545300
 Within Park Boundary: No

Date Created: 08/18/79

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 11.00
 Distance from RF3: 0.03

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/79-08/10/79	2	21.25	21.25	23.	19.5	6.125	2.475	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	06/07/79-08/10/79	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/07/79-08/10/79	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	06/07/79-08/10/79	2	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/79-08/10/79	2	535.	535.	560.	510.	1250.	35.355	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	06/07/79-08/10/79	2	9.	9.	9.1	8.9	0.02	0.141	**	**	**	**
00400 PH (STANDARD UNITS)	06/07/79-08/10/79	2	6.9	6.9	7.1	6.7	0.08	0.283	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/07/79-08/10/79	2	6.855	6.855	7.1	6.7	0.084	0.29	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/79-08/10/79	2	0.139	0.139	0.2	0.079	0.007	0.085	**	**	**	**
00600 NITROGEN, TOTAL (MG/L AS N)	06/07/79-08/10/79	2	0.52	0.52	0.63	0.41	0.024	0.156	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/07/79-08/10/79	2	0.205	0.205	0.23	0.18	0.001	0.035	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/07/79-08/10/79	2	0.315	0.315	0.4	0.23	0.014	0.12	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	06/07/79-06/07/79	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/07/79-08/10/79	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/07/79-08/10/79	2	3.4	3.4	4.2	2.6	1.28	1.131	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/07/79-08/10/79	2	0.135	0.135	0.18	0.09	0.004	0.064	**	**	**	**
71887 NITROGEN, TOTAL, AS NO3 - MG/L	06/07/79-08/10/79	2	2.3	2.3	2.8	1.8	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0002

Parameter		Std. Type	Std. Value	Total			Prop.			-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
				Obs	Standard	Exceed	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.		
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00							2	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00						
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00							2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0003

NPS Station ID: HOCU0003 Location: SCIOTO R. DST CHILLICOTHE - U.S. RT. 35 Station Type: /TYPA/AMBNT/STREAM RMI-Indexes: 1021500 007720 13190 RMI-Miles: 0953.80 0624.93 064.46 HUC: 05060002 Major Basin: OHIO RIVER Minor Basin: SCIOTO RIVER RF1 Index: 05060002078 RF3 Index: 05060002016302.52 Description: PURPOSE - MEASURE THE INFLUENCE OF CHILLICOTHE MUNICIPAL AND INDUSTRIAL WASTE ON THE SCIOTO RIVER. LOCATION - ROSS CO.; ON KILGORE BRIDGE ON U.S. ROUTE 35 AND 50; 4.5 MI. EAST OF U.S. 23. SAMPLE IS TAKEN FROM EAST BRANCH OF THE RIVER AT THIS POINT. COLLECTION - A D.O. WATER SAMPLE WITH 3 CONTAINERS IS USED TO COLLECT 3 SAMPLES AT ONCE FROM UPSTREAM SIDE OF BRIDGE; BY C. HARRIS (MEAD PAPER COMPANY). SAMPLE ANALYZED BY MEAD PAPER CO. DATA CAN ALSO BE FOUND UNDER OHIO EPA STATION NUMBER V13P06.	LAT/LON: 39.305559/ -82.920281 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.720 RF3 Mile Point: 5.39	Agency: 21OHIO FIPS State/County: 39141 OHIO/ROSS STORET Station ID(s): 600920 Within Park Boundary: No Aquifer: Water Body Id: ECO Region: Distance from RF1: 21.50 Distance from RF3: 0.31 On/Off RF1: OFF On/Off RF3:
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Parameter Inventory for Station: HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97 739	13.	13.049	29.	0.	68.951	8.304	2.	5.	21.	24.
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/80-09/27/84 7 ##	250.	800.	4100.	250.	2117500.	1455.163	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/23/97 15	530.	566.867	1095.	260.	60235.695	245.43	266.	358.	778.	933.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97 1016	670.	655.232	1100.	8.	16304.874	127.691	475.	580.	740.	800.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97 1056	9.2	9.227	17.7	2.3	6.203	2.491	6.	7.3	11.275	12.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97 954	4.3	4.854	17.3	1.	4.966	2.229	2.6	3.3	5.9	7.85
00340	COD, .25N K2CR2O7 MG/L	09/15/83-09/23/97 14	17.	21.571	50.	6.	166.264	12.894	8.	12.	31.	45.
00400	PH (STANDARD UNITS)	09/21/67-09/23/97 44	7.485	7.555	8.9	6.9	0.203	0.451	7.1	7.3	7.8	8.205
00400	CONVERTED PH (STANDARD UNITS)	09/21/67-09/23/97 44	7.485	7.394	8.9	6.9	0.23	0.48	7.1	7.3	7.8	8.205
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/23/97 44	0.033	0.04	0.126	0.001	0.001	0.03	0.006	0.016	0.05	0.079
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92 1017	8.	7.976	9.1	5.2	0.135	0.368	7.6	7.8	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92 1017	8.	7.639	9.1	5.2	0.249	0.499	7.6	7.8	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92 1017	0.01	0.023	6.31	0.001	0.043	0.208	0.004	0.006	0.016	0.025
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/21/67-09/23/97 33	220.	220.939	276.	108.	1416.996	37.643	178.8	198.	249.	266.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/23/97 43	44.	106.442	942.	8.	30095.491	173.481	16.2	25.	101.	214.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-09/23/97 17 ##	0.025	0.063	0.15	0.025	0.002	0.045	0.025	0.025	0.11	0.134
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-10/09/85 6	0.04	0.038	0.06	0.02	0.	0.017	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-09/23/97 17	0.8	0.796	1.3	0.3	0.072	0.269	0.3	0.6	1.	1.14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-09/23/97 17	2.57	2.553	3.89	1.3	0.68	0.825	1.396	1.89	3.34	3.842
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-07/23/97 225	0.48	0.617	6.7	0.025	0.303	0.551	0.256	0.34	0.795	1.17
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/83-07/13/83 2	0.505	0.505	0.55	0.46	0.004	0.064	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/23/97 5	5.	4.84	5.9	4.	0.583	0.764	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-09/23/97 15	314.	292.333	349.	188.	3055.667	55.278	190.4	236.	332.	345.4
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/31/79-09/23/97 16	83.	76.356	89.	49.	190.424	13.799	51.1	62.125	87.	88.3
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85 1	36500.	36500.	36500.	36500.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-09/23/97 16	26.9	25.394	32.	15.	25.906	5.09	15.7	21.475	29.	30.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929	SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/23/97	9	33.	28.444	51.	10.	225.278	15.009	10.	11.	40.	51.
00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/23/97	5	5.	5.4	7.	5.	0.8	0.894	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/21/67-09/23/97	37	48.	45.811	72.	11.	176.213	13.275	27.6	39.	52.	65.2
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-09/23/97	10	87.	80.2	115.	33.	689.067	26.25	34.4	55.25	97.25	114.2
00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/23/97	4	0.45	0.403	0.51	0.2	0.021	0.144	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-09/23/97	15	2.	2.	5.	1.	1.429	1.195	1.	1.	2.	4.4
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/15/92-10/15/92	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/15/92-10/15/92	1	36.6	36.6	36.6	36.6	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/73-09/23/97	18 ##	0.1	0.728	9.	0.	4.582	2.141	0.09	0.1	0.1	3.15
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/15/92	2	0.34	0.34	0.45	0.23	0.024	0.156	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/15/92	2	10.4	10.4	12.8	8.	11.52	3.394	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/73-09/23/97	18 ##	15.	14.722	15.	10.	1.389	1.179	14.5	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	05/02/73-09/23/97	18	5.	6.056	15.	2.	14.644	3.827	2.9	3.75	7.5	15.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-10/15/92	2	5.915	5.915	10.	1.83	33.374	5.777	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/79-09/23/97	11	1280.	1903.364	8360.	390.	5457841.655	2336.202	408.	524.	2100.	7404.
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-09/23/97	17	3.	10.765	130.	1.	947.691	30.785	1.	2.	6.	31.6
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-10/15/92	2	22.35	22.35	32.9	11.8	222.605	14.92	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/23/97	5	95.	91.2	168.	37.	2691.7	51.882	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-09/23/97	17 ##	20.	28.235	100.	20.	440.441	20.987	20.	20.	20.	60.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/21/85-10/15/92	2	18.15	18.15	22.3	14.	34.445	5.869	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/73-09/23/97	18	21.	26.444	61.	0.	282.497	16.808	4.5	15.	43.5	51.1
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-10/15/92	2	64.8	64.8	88.6	41.	1132.88	33.658	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/23/97	5	597.	1460.2	4920.	472.	3752834.2	1937.223	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-09/23/97	10 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/15/92-10/15/92	1	15400.	15400.	15400.	15400.	0.	0.	**	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	05/02/73-05/02/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	390.	464.	766.	310.	46224.	214.998	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	2.582	2.635	2.884	2.491	0.035	0.187	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	2.582	2.635	2.884	2.491	0.035	0.187	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-10/09/85	6 ##	5.	7.5	15.	5.	17.5	4.183	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/24/85-09/23/97	15	474.	694.	4230.	236.	966039.429	982.873	275.6	390.	504.	2044.8
70311	PH, CaCO3 STABILITY (STANDARD UNITS)	01/13/83-01/13/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
70311	CONVERTED PH, CaCO3 STABILITY (STANDARD UNITS)	01/13/83-01/13/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
70311	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/13/83-01/13/83	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/06/80-11/06/80	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/23/97	7 ##	0.1	0.186	0.4	0.1	0.014	0.118	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/85-10/09/85	5	4.2	4.04	7.	1.7	4.093	2.023	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/85-10/09/85	5	8.7	8.88	16.	3.9	21.567	4.644	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0003

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1056	14	0.01	180	5	0.03	387	0	0.00	489	9	0.02		
00400	PH	Fresh Chronic	9.	44	0	0.00	12	0	0.00	10	0	0.00	22	0	0.00		
00403	PH, LAB	Other-Lo Lim.	6.5	44	0	0.00	12	0	0.00	10	0	0.00	22	0	0.00		
		Fresh Chronic	9.	1017	6	0.01	170	1	0.01	377	1	0.00	470	4	0.01		
		Other-Lo Lim.	6.5	1017	3	0.00	170	0	0.00	377	1	0.00	470	2	0.00		
		Drinking Water	1.	6	0	0.00	3	0	0.00				3	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	10.	17	0	0.00	7	0	0.00				10	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Fresh Acute	860.	37	0	0.00	9	0	0.00	10	0	0.00	18	0	0.00		
00940	CHLORIDE,TOTAL IN WATER	Drinking Water	250.	37	0	0.00	9	0	0.00	10	0	0.00	18	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	3	0	0.00				7	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00				2	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	15	0	0.00	6	0	0.00				9	0	0.00		
01027	CADMIUM, TOTAL	Drinking Water	50.	15	0	0.00	6	0	0.00				9	0	0.00		
		Fresh Acute	3.9	18	1	0.06	7	0	0.00				11	1	0.09		
		Drinking Water	5.	18	1	0.06	7	0	0.00				11	1	0.09		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

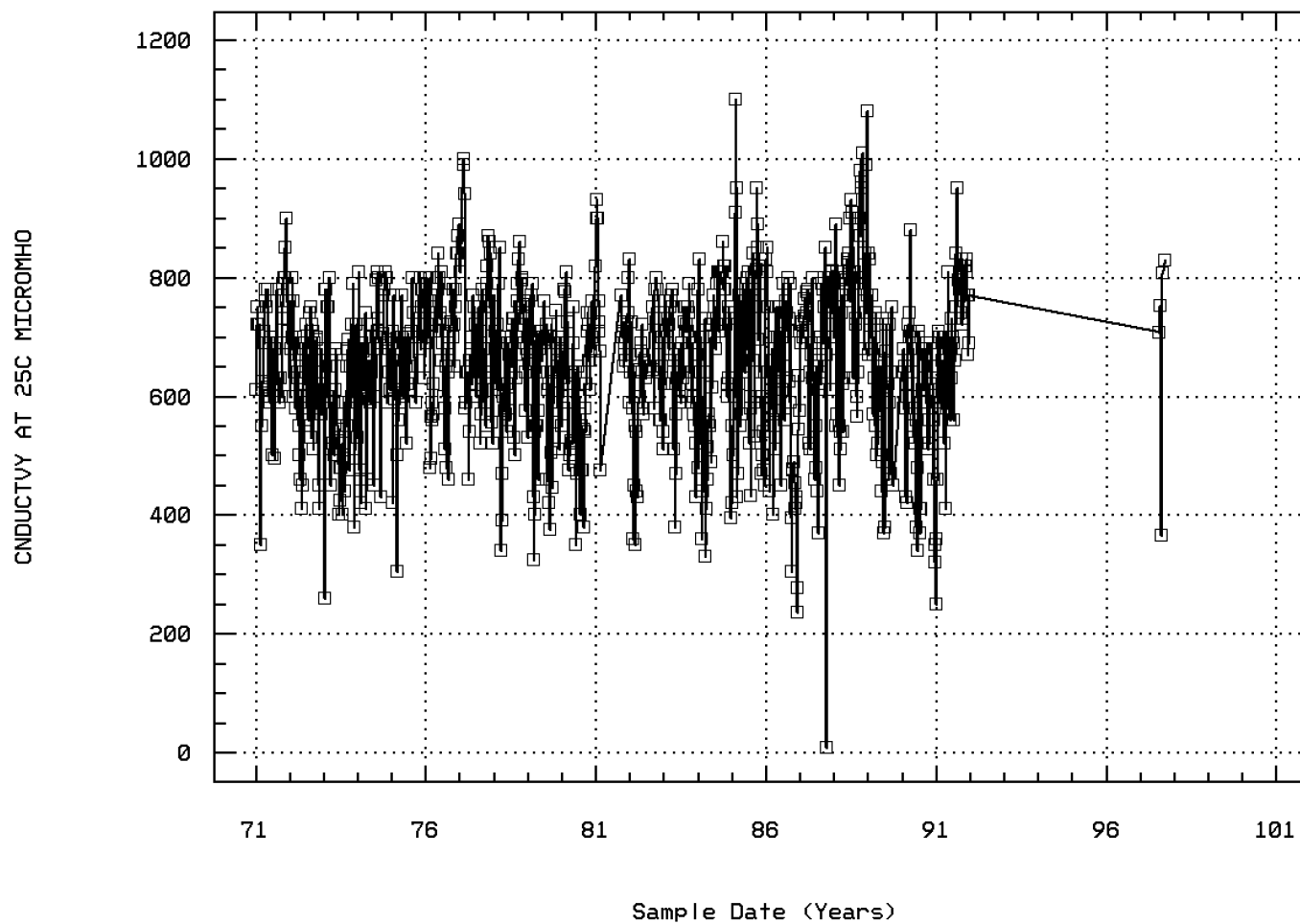
EPA Water Quality Criteria Analysis for Station: HOCU0003

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01034	CHROMIUM, TOTAL	100.	18	0	0.00	7	0	0.00				11	0	0.00			
01042	COPPER, TOTAL	18.	18	0	0.00	7	0	0.00				11	0	0.00			
	Drinking Water	1300.	18	0	0.00	7	0	0.00				11	0	0.00			
01051	LEAD, TOTAL	82.	17	1	0.06	7	0	0.00				10	1	0.10			
	Drinking Water	15.	17	1	0.06	7	0	0.00				10	1	0.10			
01067	NICKEL, TOTAL	1400.	17	0	0.00	7	0	0.00				10	0	0.00			
	Drinking Water	100.	17	1	0.06	7	0	0.00				10	1	0.10			
01092	ZINC, TOTAL	120.	18	0	0.00	7	0	0.00				11	0	0.00			
	Drinking Water	5000.	18	0	0.00	7	0	0.00				11	0	0.00			
01147	SELENIUM, TOTAL	20.	10	0	0.00	5	0	0.00				5	0	0.00			
	Drinking Water	50.	10	0	0.00	5	0	0.00				5	0	0.00			
01220	CHROMIUM, HEXAVALENT, DISSOLVED	16.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	200.	4	4	1.00							4	4	1.00			
71900	MERCURY, TOTAL	2.4	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	2.	7	0	0.00	3	0	0.00				4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: HOCU0003 Parameter Code: 00095

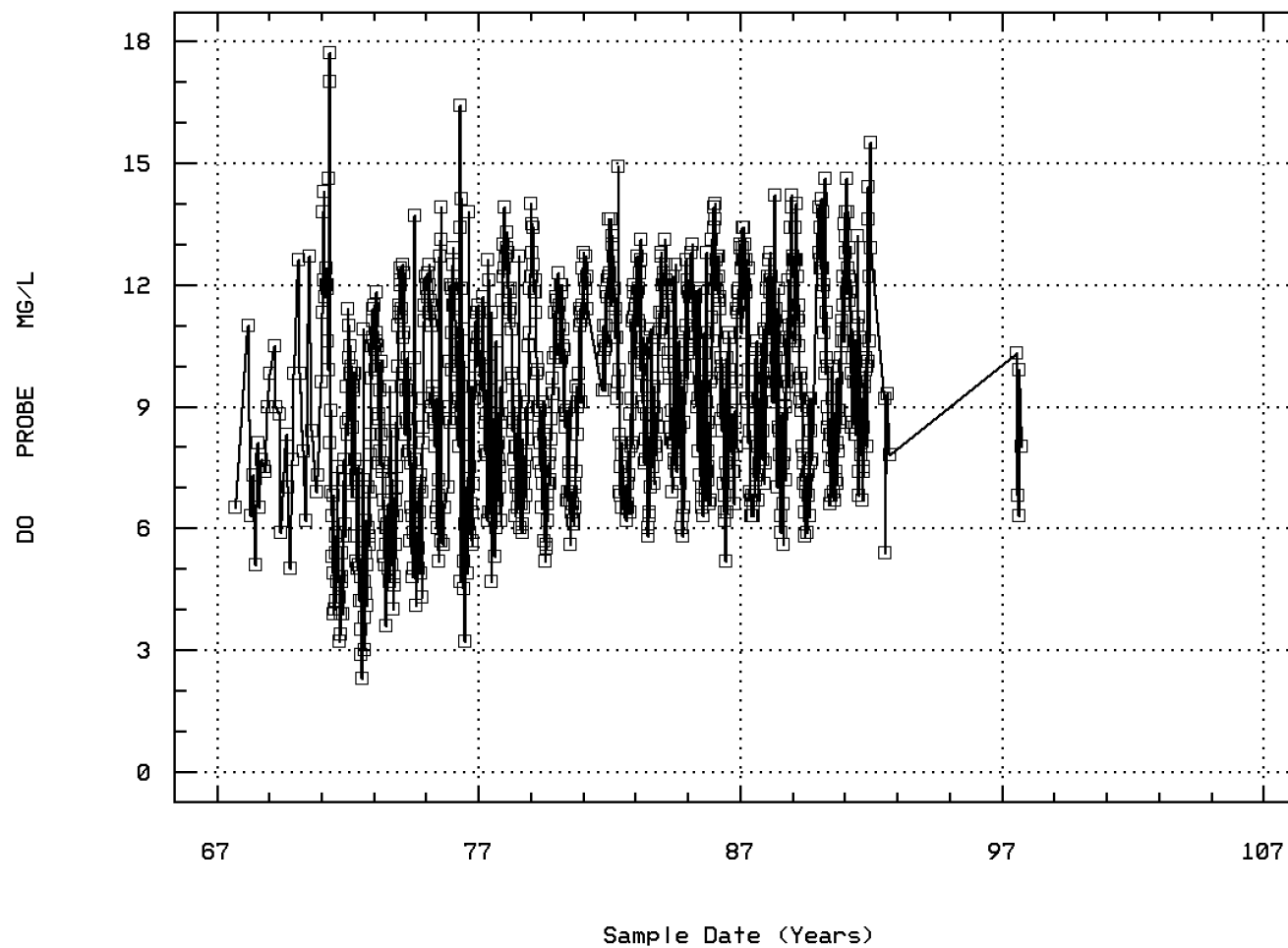
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00299

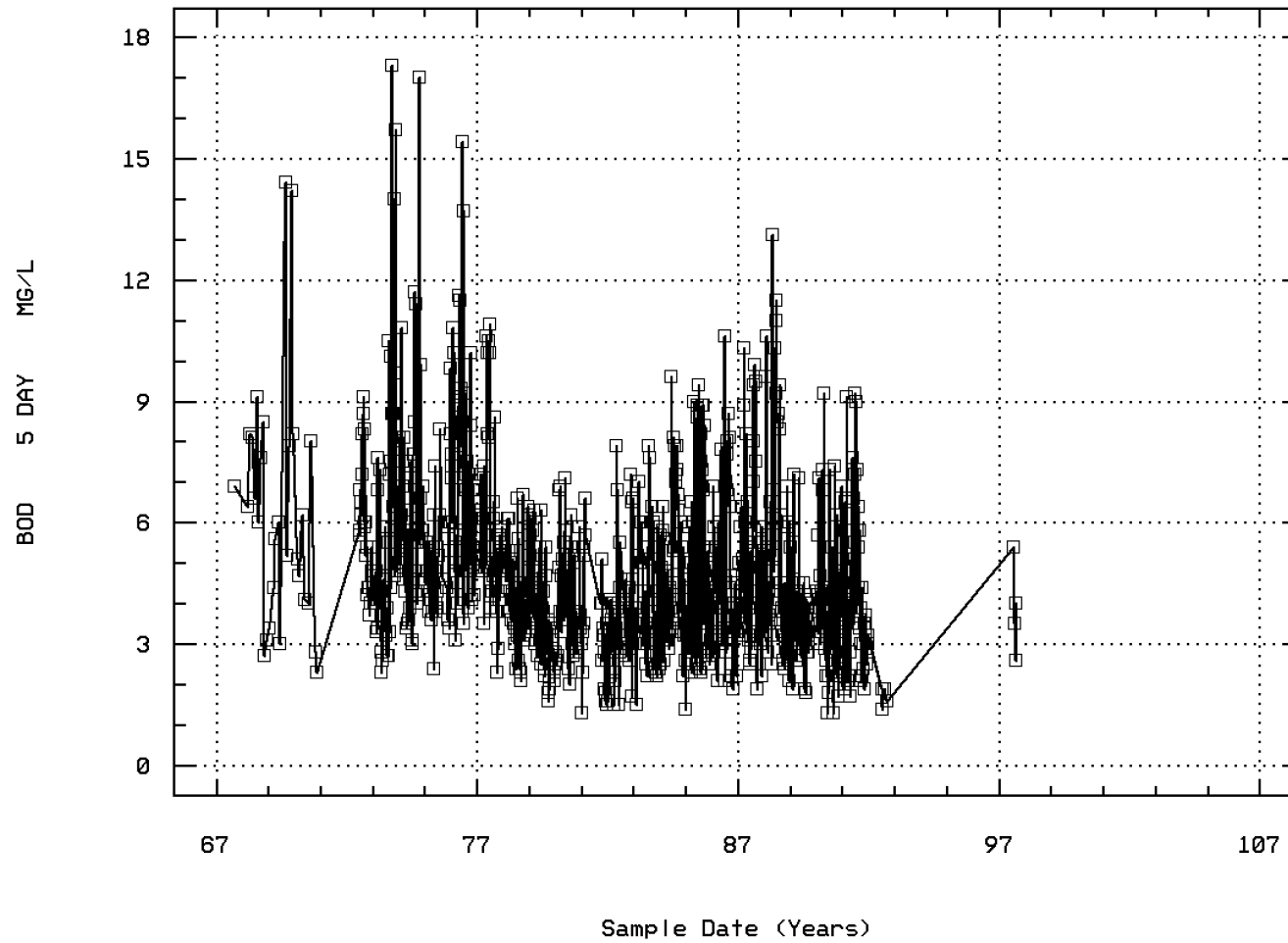
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00310

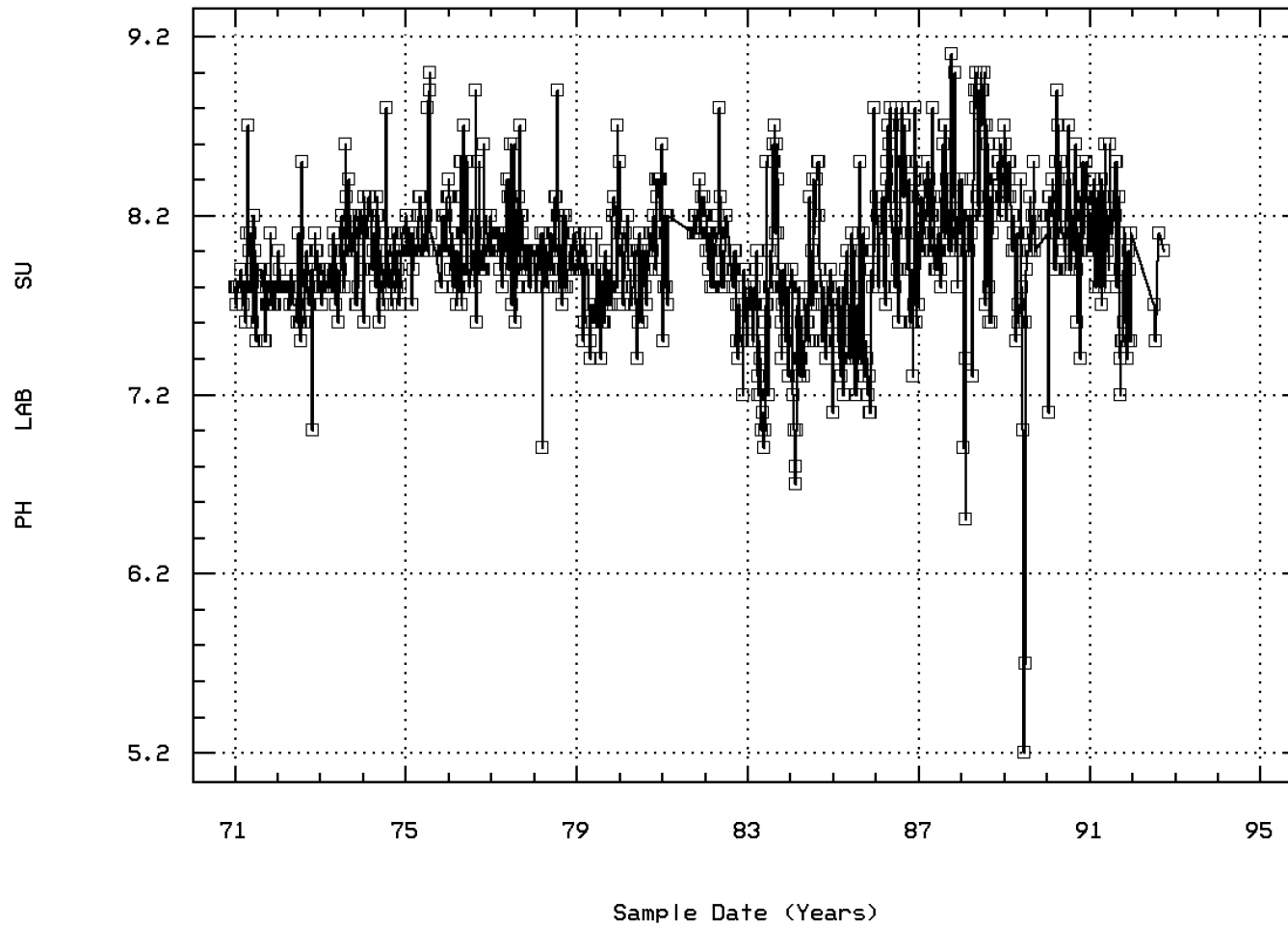
BOD, 5 DAY, 20 DEG C



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00403

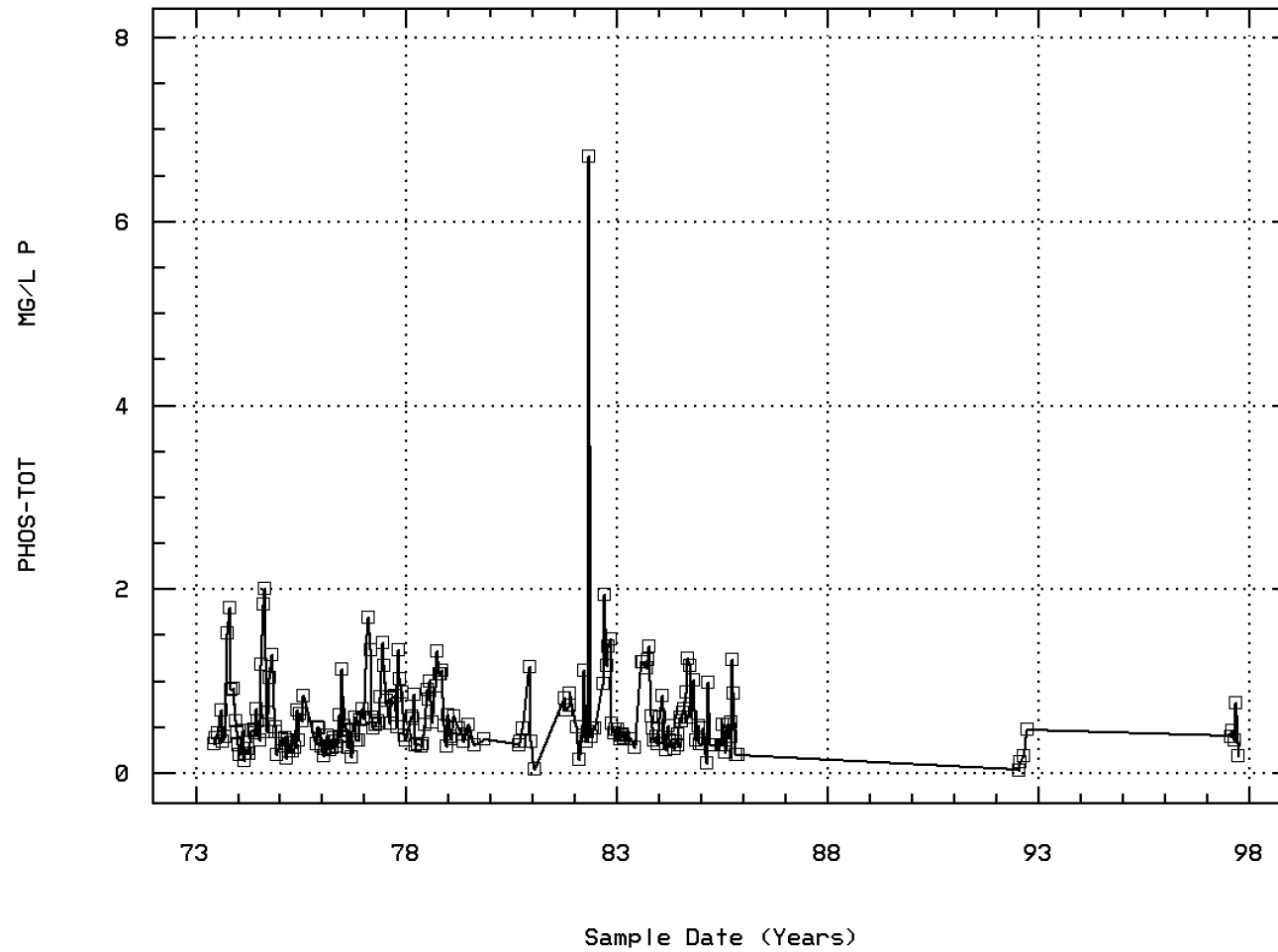
PH, LAB, STANDARD UNITS



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Annual Analysis for 1967 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	1	21.	21.	21.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	1	6.5	6.5	6.5	0.	0.	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	1	6.9	6.9	6.9	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	10	16.	15.8	29.	82.4	9.077	3.2	5.75	23.	28.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	10	7.45	7.59	11.	2.563	1.601	5.22	6.45	8.325	10.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	10	7.1	6.63	9.1	4.836	2.199	2.74	5.275	8.275	9.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	10	14.5	12.31	24.	56.739	7.533	2.1	4.575	18.	23.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	10	8.55	8.18	10.5	3.182	1.784	5.09	6.725	9.8	10.43
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	10	5.8	7.23	14.4	16.693	4.086	3.04	4.15	9.7	14.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	8	15.5	15.75	28.	83.071	9.114	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	8	8.15	8.975	12.7	6.285	2.507	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	8	4.4	4.65	8.	3.357	1.832	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	48	14.55	13.979	25.5	71.167	8.436	2.93	5.125	22.2	24.46
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	45	700.	684.778	900.	10364.722	101.807	574.	617.5	760.	794.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	48	7.05	8.002	17.7	13.99	3.74	3.9	4.825	11.125	13.85
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	48	7.8	7.827	8.7	0.039	0.197	7.6	7.7	7.9	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	48	7.8	7.792	8.7	0.04	0.2	7.6	7.7	7.9	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	48	0.016	0.016	0.032	0.002	0.006	0.008	0.013	0.02	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	52	13.15	13.183	27.8	0.	64.576	8.036	2.51	6.7	20.075	23.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	52	625.	619.519	800.	410.	8506.137	92.229	453.	572.5	690.	720.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	52	7.1	7.265	11.4	2.3	6.906	2.628	3.89	5.025	9.8	10.84
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	24	5.75	5.858	9.1	3.7	2.4	1.549	4.	4.475	6.725	8.5
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	7.8	7.806	8.5	7.	0.037	0.193	7.6	7.7	7.9	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	7.8	7.755	8.5	7.	0.04	0.2	7.6	7.7	7.9	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.016	0.018	0.1	0.003	0.	0.013	0.01	0.013	0.02	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	52	13.	13.244	25.6	0.6	64.226	8.014	2.45	4.9	21.075	23.87
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	52	590.	583.365	800.	260.	13567.374	116.479	429.5	502.5	657.5	750.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	52	7.45	7.692	11.8	3.6	5.134	2.266	4.86	6.	9.975	10.94
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	48	4.7	5.894	17.3	2.3	10.867	3.297	2.79	3.925	7.275	10.14
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	53	7.9	7.942	8.6	7.6	0.04	0.2	7.7	7.8	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	53	7.9	7.902	8.6	7.6	0.042	0.204	7.7	7.8	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	53	0.013	0.013	0.025	0.003	0.	0.005	0.006	0.008	0.016	0.02
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	13	0.56	0.744	1.79	0.31	0.221	0.47	0.322	0.39	0.96	1.682

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	51	13.2	13.155	25.5	0.5	62.443	7.902	1.72	6.	21.	23.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	51	680.	658.039	810.	410.	11319.078	106.391	460.	610.	710.	800.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	51	7.9	8.343	13.7	4.1	6.713	2.591	5.	5.9	10.7	12.18
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	48	5.8	6.365	17.	3.	6.582	2.566	3.59	4.65	7.5	9.99
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	8.	8.	8.8	7.6	0.047	0.216	7.72	7.9	8.1	8.28
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	8.	7.953	8.8	7.6	0.049	0.222	7.72	7.9	8.1	8.28
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.01	0.011	0.025	0.002	0.	0.005	0.005	0.008	0.013	0.019
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	23	0.46	0.623	2.01	0.13	0.261	0.511	0.2	0.26	0.69	1.61

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	41	8.8	11.9	26.2	0.5	78.26	8.846	1.72	4.1	20.15	25.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	41	680.	663.171	800.	305.	10662.195	103.258	528.	607.5	745.	780.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	41	9.3	9.576	13.9	5.2	5.659	2.379	6.08	7.6	11.8	12.46
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	39	4.6	5.	9.8	2.4	2.144	1.464	3.6	4.	5.5	7.4
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	40	8.1	8.14	9.	7.7	0.067	0.258	8.	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	40	8.1	8.085	9.	7.7	0.07	0.264	8.	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	40	0.008	0.008	0.02	0.001	0.	0.004	0.005	0.006	0.01	0.01
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	18	0.35	0.406	0.84	0.16	0.031	0.177	0.232	0.285	0.515	0.696

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	51	12.6	12.578	25.5	0.	63.797	7.987	1.1	5.5	19.9	23.18
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	51	710.	697.745	890.	460.	11124.314	105.472	520.	640.	780.	834.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	51	9.5	9.029	16.4	3.2	8.464	2.909	5.28	6.4	11.1	12.82
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	51	6.3	6.886	15.4	3.1	6.905	2.628	4.02	5.	8.4	10.68
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	8.	8.082	8.9	7.6	0.077	0.278	7.8	7.9	8.2	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	8.	8.009	8.9	7.6	0.083	0.288	7.8	7.9	8.2	8.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.01	0.01	0.025	0.001	0.	0.005	0.003	0.006	0.013	0.016
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	24	0.39	0.43	1.13	0.17	0.043	0.207	0.22	0.273	0.563	0.66

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	47	16.	15.168	28.2	0.	77.498	8.803	0.98	8.	22.7	25.76
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	47	670.	692.043	1000.	460.	14636.085	120.98	548.	610.	760.	862.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	47	8.7	8.883	13.9	4.7	4.808	2.193	6.2	7.	10.6	12.12
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	47	5.3	5.817	10.9	2.3	4.523	2.127	3.74	4.5	6.8	10.2
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	47	8.	8.066	8.7	7.6	0.051	0.227	7.8	7.9	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	47	8.	8.015	8.7	7.6	0.054	0.233	7.8	7.9	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	47	0.01	0.01	0.025	0.002	0.	0.004	0.004	0.006	0.013	0.016
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	21	0.81	0.831	1.69	0.35	0.138	0.372	0.426	0.53	1.095	1.396

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	50	12.5	12.91	26.5	0.	77.844	8.823	1.	4.25	22.	24.45
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	48	695.	672.813	860.	340.	12596.709	112.235	527.	602.5	750.	795.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	50	8.8	9.202	13.3	5.9	5.065	2.251	6.5	7.25	11.325	12.67
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	50	4.2	4.268	6.7	2.1	1.314	1.147	2.64	3.4	4.925	6.1
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	50	8.	7.976	8.9	6.9	0.059	0.244	7.8	7.9	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	50	8.	7.883	8.9	6.9	0.068	0.261	7.8	7.9	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	50	0.01	0.013	0.126	0.001	0.	0.017	0.006	0.008	0.013	0.016
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	20	0.625	0.701	1.32	0.29	0.103	0.321	0.291	0.368	0.98	1.116

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	48	13.5	13.081	26.	0.	75.048	8.663	0.5	4.	21.375	23.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	48	645.	613.229	790.	325.	13099.457	114.453	429.	542.5	695.	746.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	48	8.95	9.135	14.	5.2	5.536	2.353	6.15	7.125	11.3	12.53
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	45	3.6	3.8	6.3	1.6	1.772	1.331	2.1	2.8	4.85	5.92
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	48	7.9	7.84	8.7	7.4	0.061	0.247	7.59	7.625	8.	8.11
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	48	7.9	7.779	8.7	7.4	0.065	0.255	7.59	7.625	8.	8.11
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	48	0.013	0.017	0.04	0.002	0.	0.009	0.008	0.01	0.024	0.026
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	9	0.39	0.426	0.62	0.3	0.01	0.102	0.3	0.355	0.51	0.62

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	51	13.	13.196	25.5	0.5	74.091	8.608	2.	5.5	22.	24.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	51	630.	620.098	820.	350.	12449.49	111.577	475.	540.	710.	758.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	51	9.1	9.096	12.4	5.6	4.224	2.055	6.42	6.9	11.1	11.76
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	51	3.8	4.137	7.1	2.	1.782	1.335	2.62	2.9	5.1	6.14
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	8.	8.008	8.6	7.4	0.064	0.252	7.7	7.8	8.1	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	8.	7.938	8.6	7.4	0.068	0.262	7.7	7.8	8.1	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.01	0.012	0.04	0.003	0.	0.007	0.004	0.008	0.016	0.02
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	5	0.34	0.522	1.15	0.3	0.128	0.358	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	22	4.25	6.227	15.	0.	28.303	5.32	0.65	2.	12.125	14.85
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	22	717.5	728.864	930.	475.	10576.028	102.84	608.	673.75	777.5	900.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	21	11.8	11.49	13.6	9.4	1.221	1.105	9.56	10.55	12.2	12.78
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	22	3.25	3.386	6.6	1.3	2.162	1.47	1.53	2.2	4.275	5.61
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	22	8.15	8.086	8.4	7.5	0.047	0.217	7.73	8.05	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	22	8.147	8.024	8.4	7.5	0.051	0.226	7.73	8.05	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	22	0.007	0.009	0.032	0.004	0.	0.006	0.005	0.006	0.009	0.019
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	5	0.74	0.625	0.86	0.037	0.113	0.336	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	45	11.5	11.867	24.5	0.	65.175	8.073	0.	4.75	20.5	22.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	44	642.5	630.455	800.	350.	12688.161	112.642	445.	562.5	720.	780.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	45	9.9	9.758	14.9	6.2	5.559	2.358	6.5	7.65	11.7	12.82
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	44	3.5	3.725	7.9	1.5	2.218	1.489	1.8	2.8	4.25	6.55
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	44	7.9	7.895	8.8	7.2	0.082	0.287	7.5	7.7	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	44	7.9	7.804	8.8	7.2	0.091	0.302	7.5	7.7	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	44	0.013	0.016	0.063	0.002	0.	0.011	0.006	0.008	0.02	0.032
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	19	0.5	1.071	6.7	0.15	2.081	1.443	0.34	0.43	1.17	1.94

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	52	13.	13.229	28.	0.	70.153	8.376	2.5	6.125	20.	26.35
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	51	670.	655.392	790.	380.	8150.843	90.282	526.	600.	725.	758.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	52	9.75	9.627	13.1	5.8	3.77	1.942	7.03	8.	11.	12.51
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	46	3.8	4.107	7.9	1.5	2.381	1.543	2.37	3.	5.125	6.12
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	7.8	7.755	8.7	6.9	0.182	0.427	7.2	7.5	7.9	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	7.8	7.568	8.7	6.9	0.218	0.467	7.2	7.5	7.9	8.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.016	0.027	0.126	0.002	0.001	0.027	0.003	0.013	0.032	0.063
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	17	0.42	0.648	1.37	0.27	0.157	0.397	0.31	0.37	1.17	1.258

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	23	9.	10.609	24.	0.	60.931	7.806	0.	4.	17.	21.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	52	705.	658.654	860.	330.	19449.133	139.46	446.	550.	780.	810.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	52	9.7	9.696	13.1	5.8	3.983	1.996	6.96	8.2	11.65	12.27
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	49	4.4	4.686	9.6	1.4	3.17	1.78	2.6	3.2	5.75	7.3
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	7.7	7.675	8.5	6.7	0.162	0.402	7.13	7.5	7.875	8.27
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	7.7	7.49	8.5	6.7	0.197	0.444	7.13	7.5	7.875	8.27
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.02	0.032	0.2	0.003	0.001	0.037	0.005	0.013	0.032	0.075
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	21	0.57	0.594	1.24	0.25	0.084	0.29	0.268	0.345	0.765	1.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	57	16.	14.374	26.5	0.	66.122	8.132	1.5	7.75	22.	24.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	56	688.	683.911	1100.	420.	24198.665	155.559	470.	555.	800.	862.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	57	10.3	9.87	13.9	6.3	4.249	2.061	6.78	7.95	11.7	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	56	4.3	4.82	9.4	2.3	4.4	2.098	2.64	2.9	5.975	8.69
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	7.7	7.665	8.8	7.1	0.123	0.35	7.2	7.4	7.9	8.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	7.7	7.548	8.8	7.1	0.137	0.37	7.2	7.4	7.9	8.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.02	0.028	0.079	0.002	0.	0.02	0.009	0.013	0.04	0.063
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	21	0.4	0.448	1.23	0.1	0.076	0.275	0.2	0.3	0.525	0.954

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	53	635.	604.434	850.	235.	21831.097	147.753	404.	484.	717.5	790.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	53	9.8	9.738	14.	5.2	5.311	2.305	6.6	7.7	11.8	12.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	53	4.	4.628	10.6	1.9	3.737	1.933	2.4	3.3	5.9	7.76
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	53	8.2	8.172	8.8	7.3	0.137	0.371	7.6	7.9	8.45	8.7
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	53	8.2	8.016	8.8	7.3	0.162	0.403	7.6	7.9	8.45	8.7
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	53	0.006	0.01	0.05	0.002	0.	0.009	0.002	0.004	0.013	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	11	7.3	8.673	18.3	2.3	24.14	4.913	2.42	4.9	13.	17.24
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	52	705.	672.404	851.	8.	20423.736	142.912	489.	626.25	768.75	800.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	51	9.2	9.394	13.4	6.3	5.143	2.268	6.7	7.3	10.9	12.84
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	51	4.9	5.155	10.3	1.9	4.259	2.064	2.92	3.5	6.	8.76
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	8.2	8.217	9.1	7.8	0.079	0.281	7.9	8.	8.375	8.67
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	8.2	8.147	9.1	7.8	0.084	0.29	7.9	8.	8.375	8.67
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.006	0.007	0.016	0.001	0.	0.004	0.002	0.004	0.01	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	52	790.	765.096	1080.	450.	20167.147	142.011	550.	650.	840.	957.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	52	10.5	10.19	14.2	5.6	4.435	2.106	7.06	8.85	11.875	12.74
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	51	4.5	5.435	13.1	2.1	7.752	2.784	2.6	3.3	6.8	10.16
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	8.3	8.281	9.	6.5	0.267	0.516	7.6	8.1	8.675	8.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	8.3	7.807	9.	6.5	0.496	0.704	7.6	8.1	8.675	8.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.005	0.016	0.316	0.001	0.002	0.047	0.001	0.002	0.008	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	39	640	619.615	840	370	13559.717	116.446	450	520	700	750
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	39	9.2	9.431	14	5.8	5.546	2.355	6.4	7.4	11.5	12.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	36	3.7	3.714	7.2	1.8	1.369	1.17	2.39	3.1	4.075	4.96
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	39	8.1	7.944	8.7	5.2	0.465	0.682	7.5	7.8	8.3	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	39	8.1	6.648	8.7	5.2	2.186	1.479	7.5	7.8	8.3	8.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	39	0.008	0.225	6.31	0.002	1.101	1.049	0.003	0.005	0.016	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	52	615	588.077	880.	320.	14455.053	120.229	389.	520.	680.	707.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	52	9.75	9.983	14.6	6.6	5.019	2.24	7.13	8.3	11.95	13.47
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	52	3.45	3.927	9.2	1.3	3.071	1.753	2.2	2.825	4.625	7.04
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	8.2	8.167	8.9	7.1	0.092	0.304	7.9	8.	8.3	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	8.2	8.035	8.9	7.1	0.11	0.332	7.9	8.	8.3	8.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.006	0.009	0.079	0.001	0.	0.012	0.003	0.005	0.01	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station HOCU0003

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	52	695	680.673	950	250	16160.813	127.125	532	612.5	770	817
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	53	10.2	10.466	15.5	6.7	4.883	2.21	7.62	8.55	12.2	13.72
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	53	3.9	4.349	9.2	1.7	3.523	1.877	2.14	3	5.45	7.26
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	53	8.1	8.026	8.6	7.2	0.108	0.329	7.5	7.8	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	53	8.1	7.892	8.6	7.2	0.127	0.356	7.5	7.8	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	53	0.008	0.013	0.063	0.003	0	0.012	0.004	0.006	0.016	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	4	19.6	19.65	22.4	17.	5.03	2.243	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	4	8.5	7.925	9.3	5.4	3.302	1.817	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	4	1.75	1.7	1.9	1.4	0.06	0.245	**	**	**	**

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Annual Analysis for 1992 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	4	7.85	7.825	8.1	7.5	0.076	0.275	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	4	7.825	7.76	8.1	7.5	0.081	0.285	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	4	0.015	0.017	0.032	0.008	0.	0.011	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	4	0.15	0.199	0.47	0.025	0.037	0.192	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

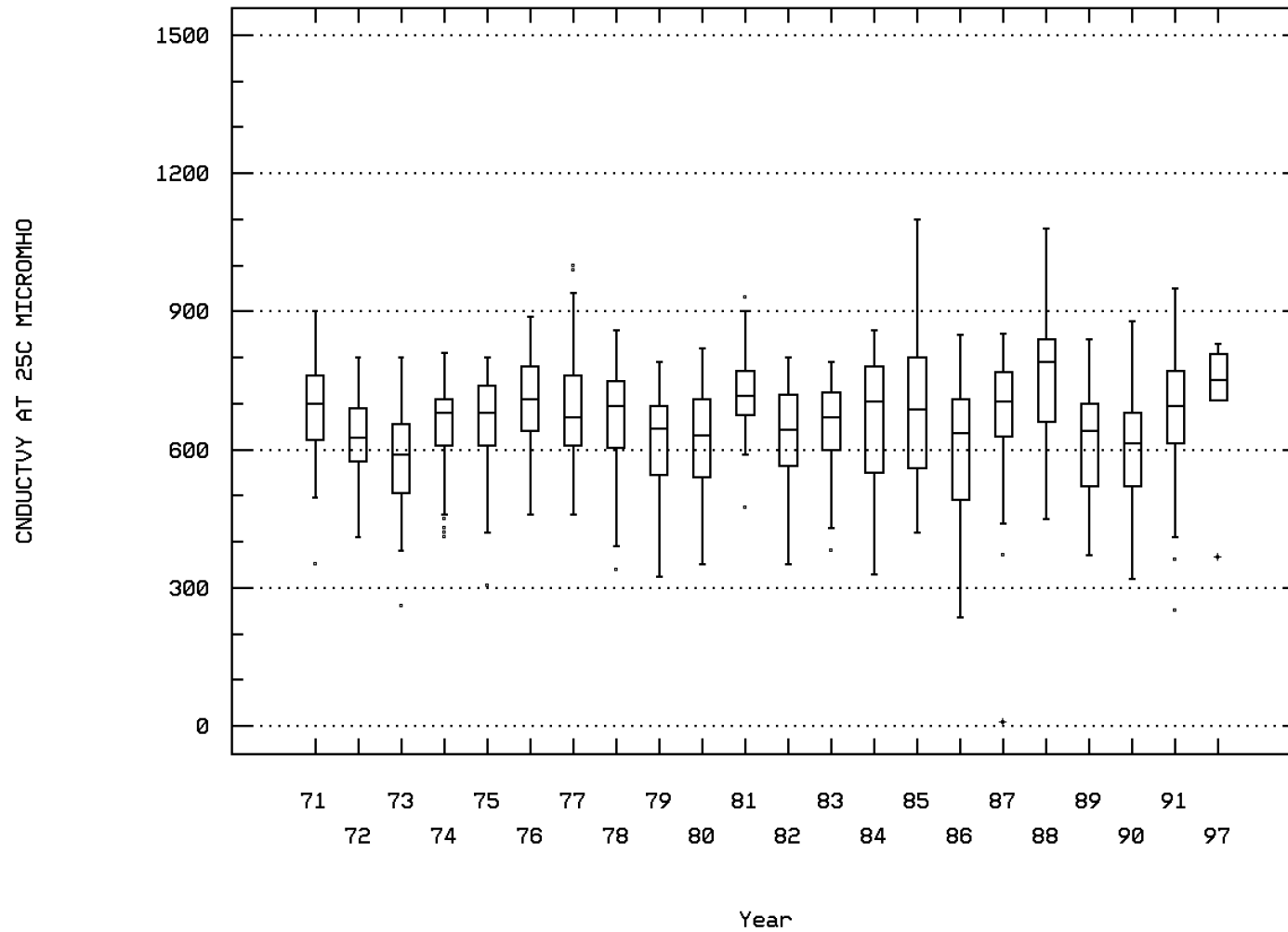
Annual Analysis for 1997 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	5	22.9	22.82	25.7	18.4	7.777	2.789	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	5	752.	692.2	829.	365.	35694.7	188.93	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	5	8.	8.26	10.3	6.3	3.223	1.795	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	5	3.5	3.3	5.4	1.	2.68	1.637	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	5	0.39	0.433	0.76	0.19	0.044	0.209	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0003 Parameter Code: 00095

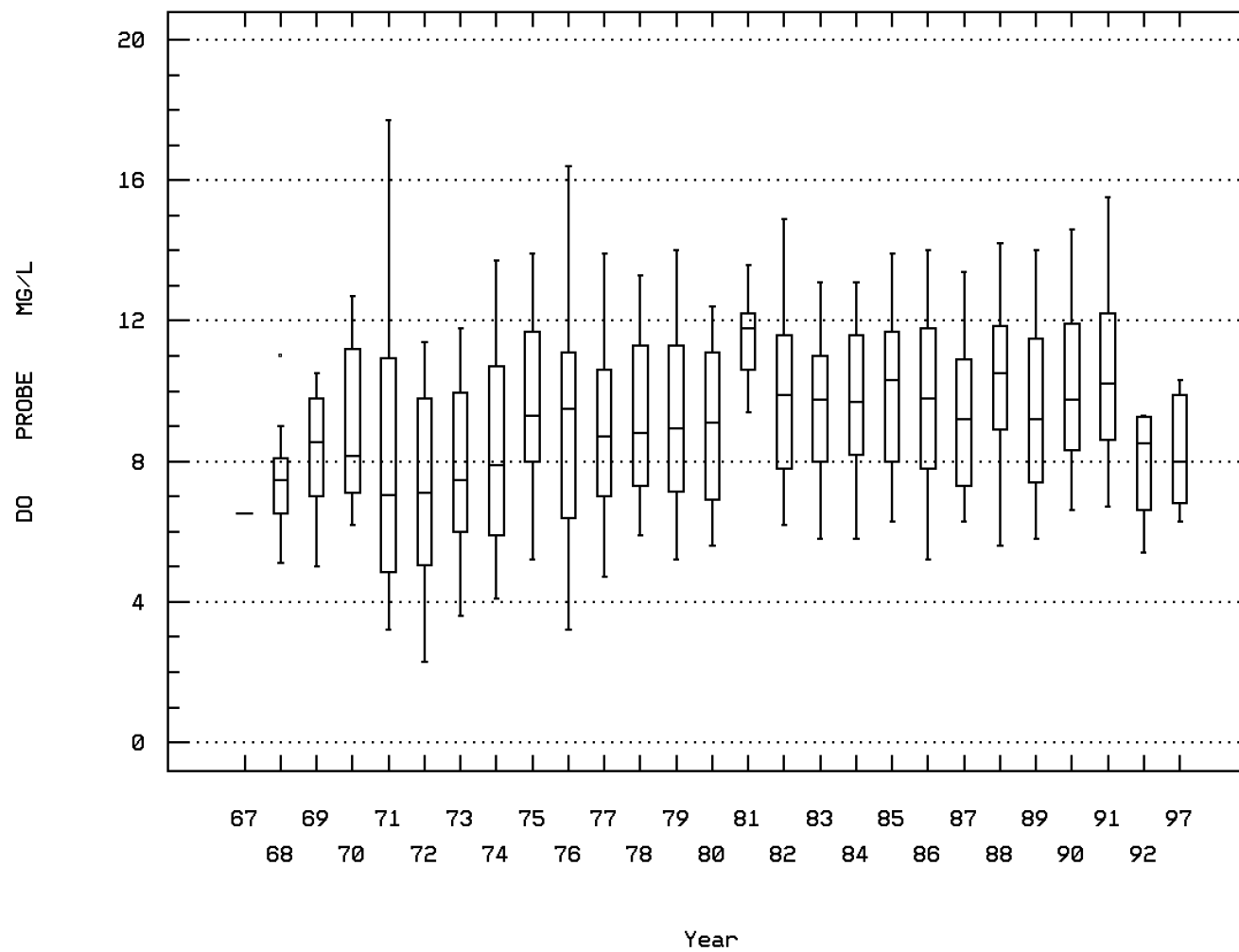
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00299

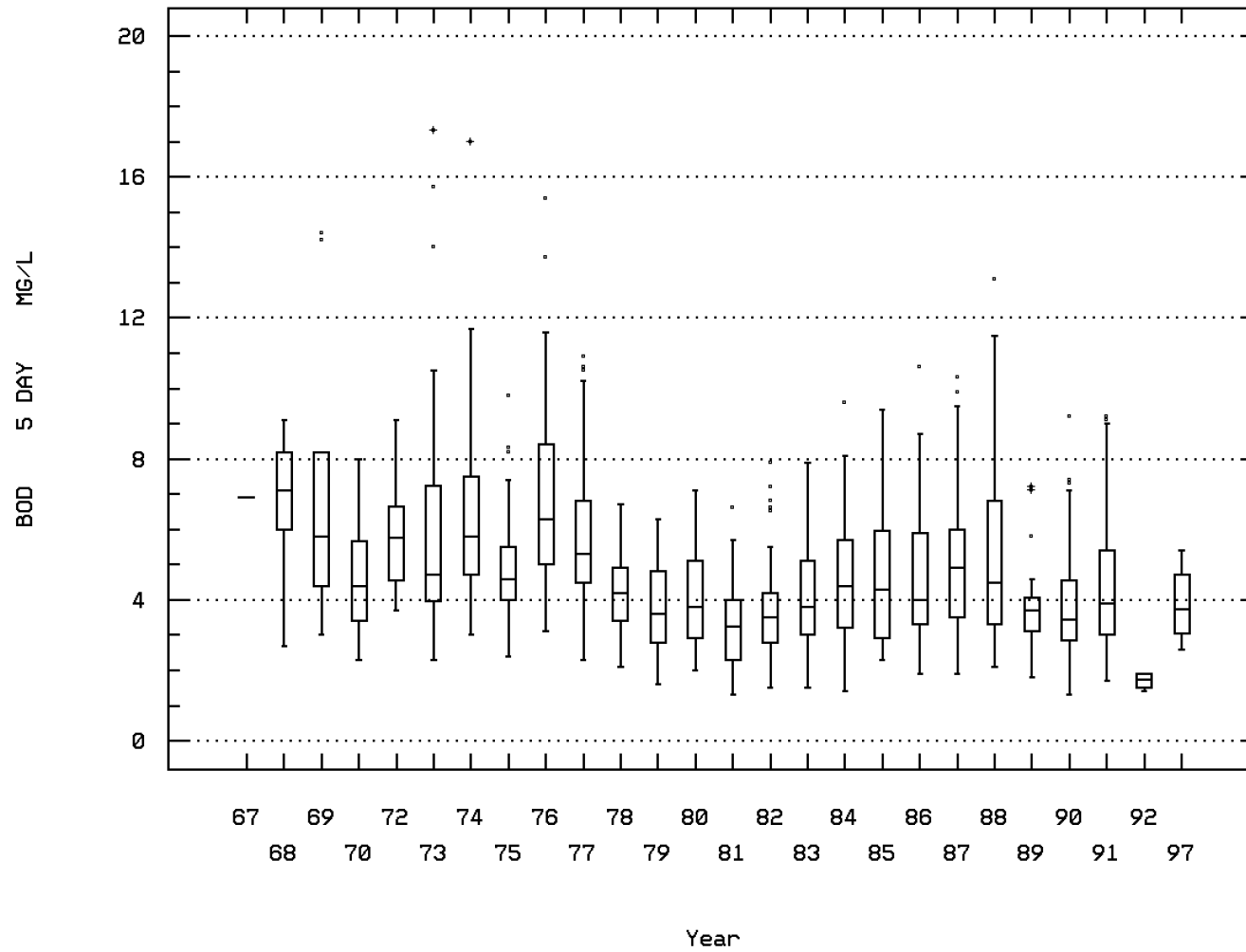
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00310

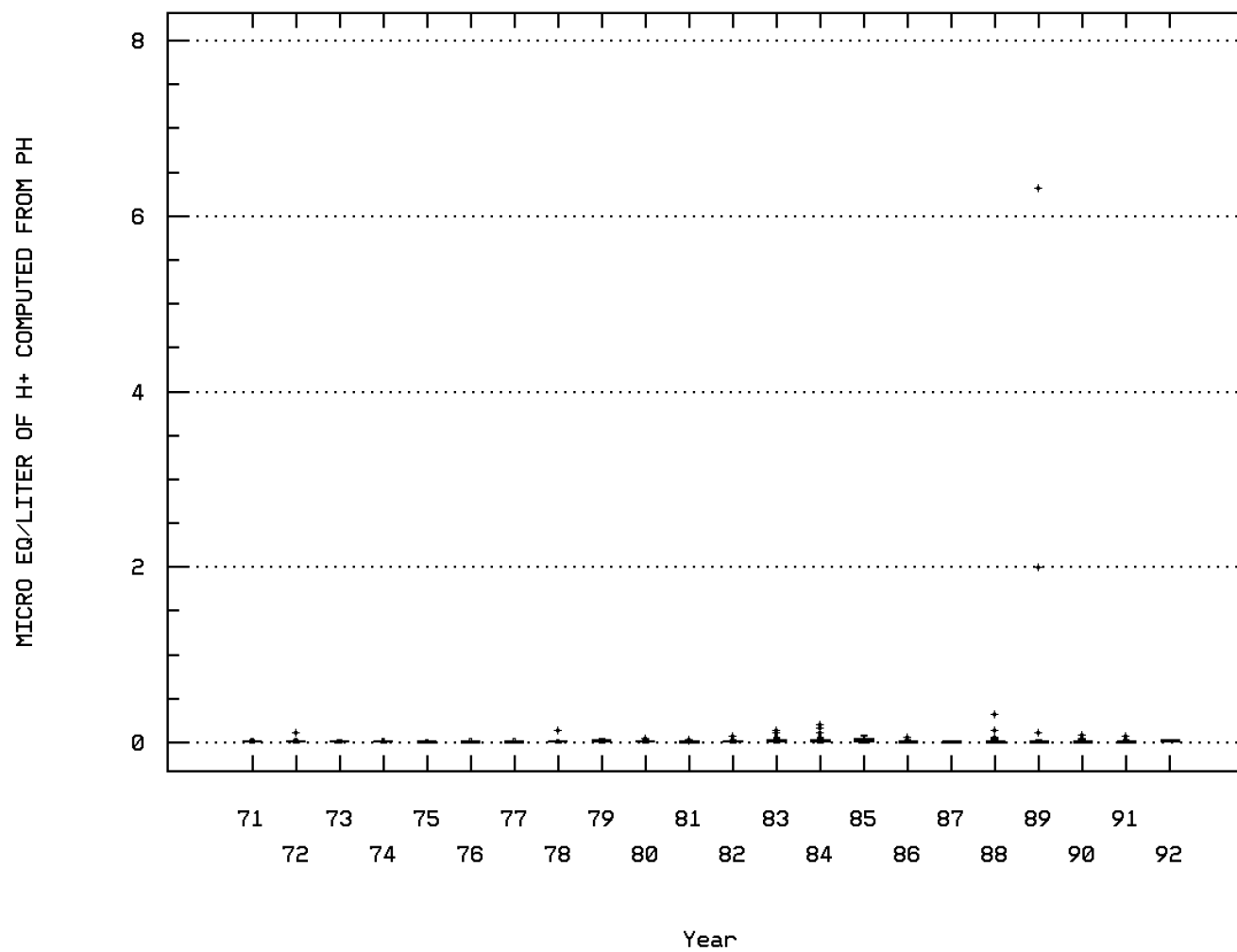
BOD, 5 DAY, 20 DEG C



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00403

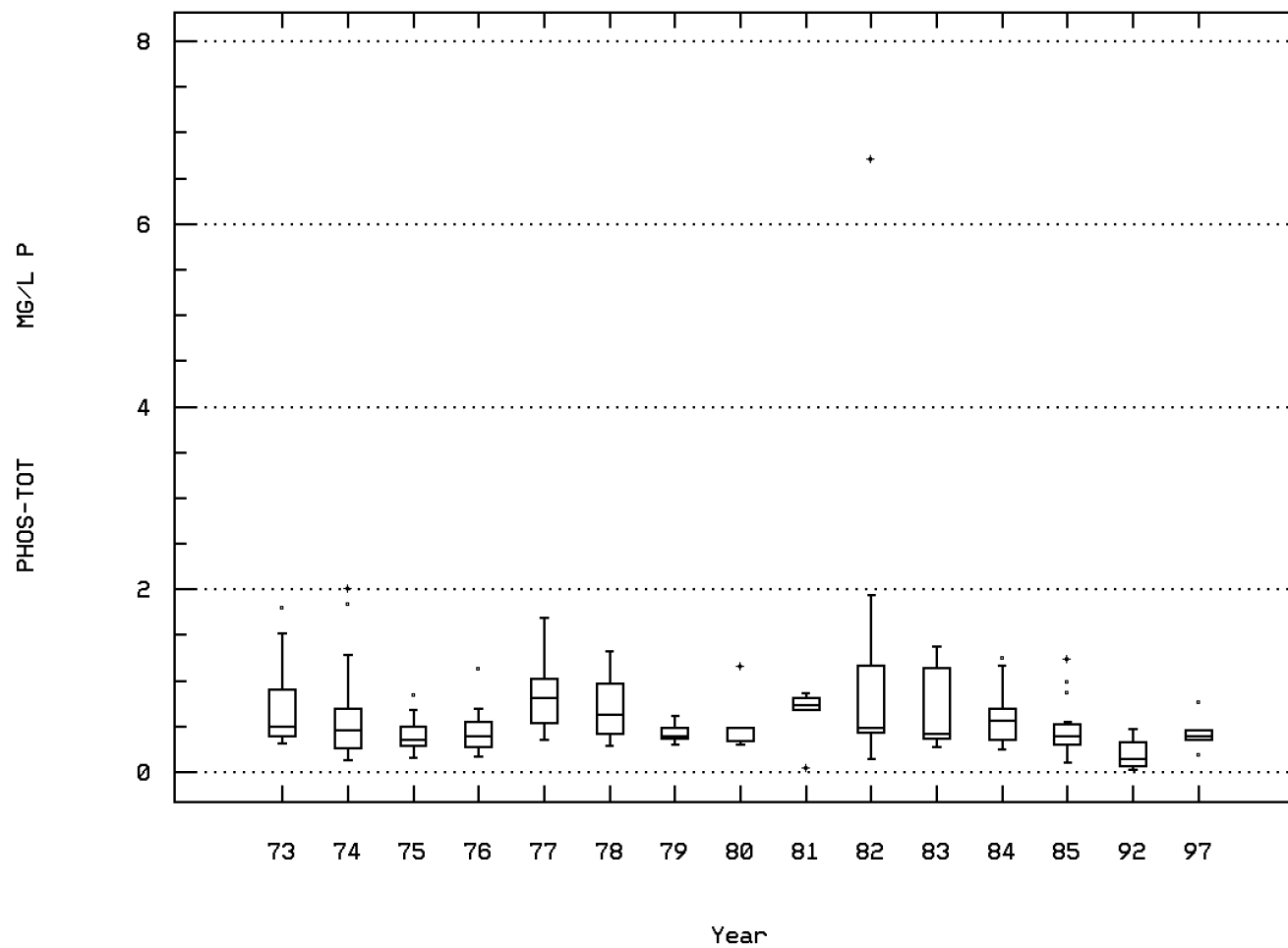
MICRO EQ/LITER OF H+ COMPUTED FROM PH



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	131	17.5	17.402	26.8	6.6	18.007	4.243	12.02	14.	21.	23.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	171	710.	696.415	1010.	8.	16479.127	128.371	542.	630.	780.	820.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	180	7.5	7.599	12.8	3.2	2.963	1.721	5.13	6.525	8.8	9.69
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	167	4.	4.59	17.3	1.	5.772	2.403	2.3	2.9	5.5	7.9
00400p	PH (STANDARD UNITS)	09/21/67-09/23/97	12	7.5	7.649	8.9	7.	0.273	0.522	7.06	7.3	7.85	8.723
00400p	CONVERTED PH (STANDARD UNITS)	09/21/67-09/23/97	12	7.5	7.458	8.9	7.	0.313	0.559	7.06	7.3	7.85	8.723
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/23/97	12	0.032	0.035	0.1	0.001	0.001	0.028	0.002	0.014	0.05	0.089
00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	170	8.	7.959	9.1	7.	0.098	0.313	7.5	7.8	8.125	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	170	8.	7.847	9.1	7.	0.111	0.333	7.5	7.8	8.125	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	170	0.01	0.014	0.1	0.001	0.	0.012	0.004	0.008	0.016	0.032
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/23/97	12	33.	43.667	169.	15.	1729.333	41.585	15.	20.5	46.5	134.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	48	0.835	0.844	1.94	0.17	0.185	0.431	0.336	0.463	1.168	1.371
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/67-09/23/97	9	58.	56.444	72.	40.	139.528	11.812	40.	44.5	66.	72.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	281	4.	4.737	16.5	0.	14.359	3.789	0.5	1.9	7.	10.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	377	680.	660.594	1100.	235.	18988.348	137.798	460.	585.	750.	810.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	387	11.5	11.087	15.5	4.3	3.268	1.808	8.5	10.	12.2	13.
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	354	4.3	4.605	15.7	1.3	3.666	1.915	2.6	3.3	5.6	6.8
00400p	PH (STANDARD UNITS)	09/21/67-09/23/97	10	7.25	7.31	7.8	6.9	0.085	0.292	6.92	7.1	7.6	7.78
00400p	CONVERTED PH (STANDARD UNITS)	09/21/67-09/23/97	10	7.225	7.23	7.8	6.9	0.093	0.304	6.92	7.1	7.6	7.78
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/23/97	10	0.06	0.059	0.126	0.016	0.001	0.035	0.017	0.025	0.079	0.121
00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	377	8.	7.962	9.	6.5	0.111	0.333	7.6	7.8	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	377	8.	7.798	9.	6.5	0.138	0.371	7.6	7.8	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	377	0.01	0.016	0.316	0.001	0.001	0.024	0.005	0.006	0.016	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/23/97	10	30.	78.4	495.	9.	21792.711	147.624	9.9	20.25	50.	453.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	79	0.42	0.505	1.69	0.037	0.094	0.307	0.2	0.32	0.6	0.92
00940p	CHLORIDE.TOTAL IN WATER MG/L	09/21/67-09/23/97	10	49.	47.8	60.	30.	54.622	7.391	31.6	46.	50.	59.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

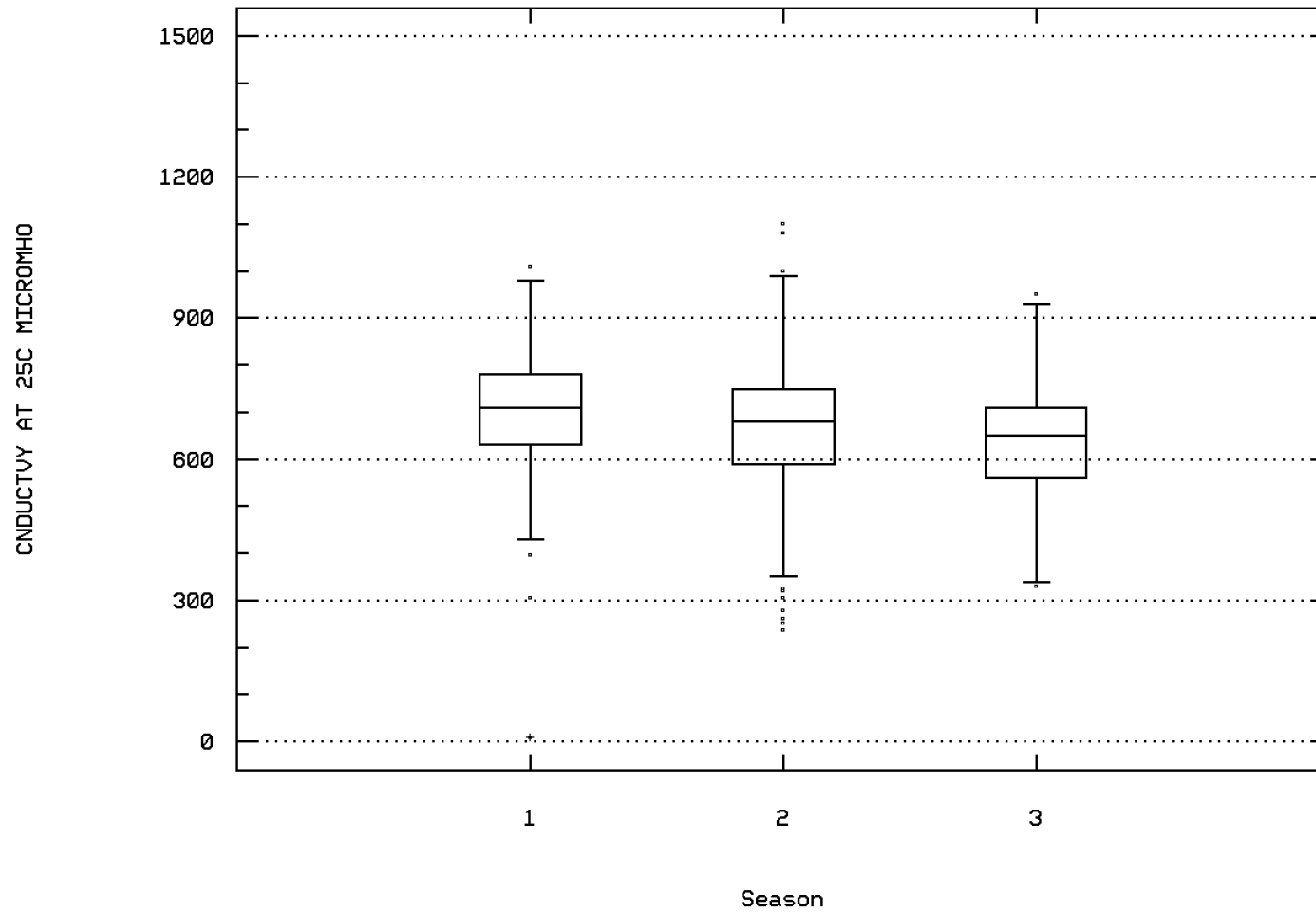
Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/23/97	327	20.4	18.448	29.	1.	40.174	6.338	8.2	13.5	23.5	25.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/23/97	468	650.	635.865	950.	330.	13130.579	114.589	470.	560.	710.	780.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/23/97	489	8.3	8.355	17.7	2.3	5.253	2.292	5.7	6.7	9.8	11.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/23/97	433	4.5	5.16	15.4	1.3	5.57	2.36	2.7	3.4	6.5	8.5
00400p	PH (STANDARD UNITS)	09/21/67-09/23/97	22	7.485	7.615	8.7	7.	0.2	0.447	7.13	7.3	7.9	8.457
00400p	CONVERTED PH (STANDARD UNITS)	09/21/67-09/23/97	22	7.485	7.456	8.7	7.	0.226	0.475	7.13	7.3	7.9	8.457
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/23/97	22	0.033	0.035	0.1	0.002	0.001	0.025	0.004	0.013	0.05	0.075
00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	470	8.	7.994	9.	5.2	0.169	0.411	7.6	7.8	8.2	8.5
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	470	8.	7.498	9.	5.2	0.415	0.644	7.6	7.8	8.2	8.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	470	0.01	0.032	6.31	0.001	0.093	0.305	0.003	0.006	0.016	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/23/97	21	89.	155.667	942.	8.	47140.833	217.119	23.2	40.	181.5	500.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/23/97	98	0.46	0.597	6.7	0.025	0.498	0.706	0.269	0.318	0.633	1.112
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/67-09/23/97	18	42.	39.389	56.	11.	172.722	13.142	14.6	35.25	50.	52.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0003 Parameter Code: 00095

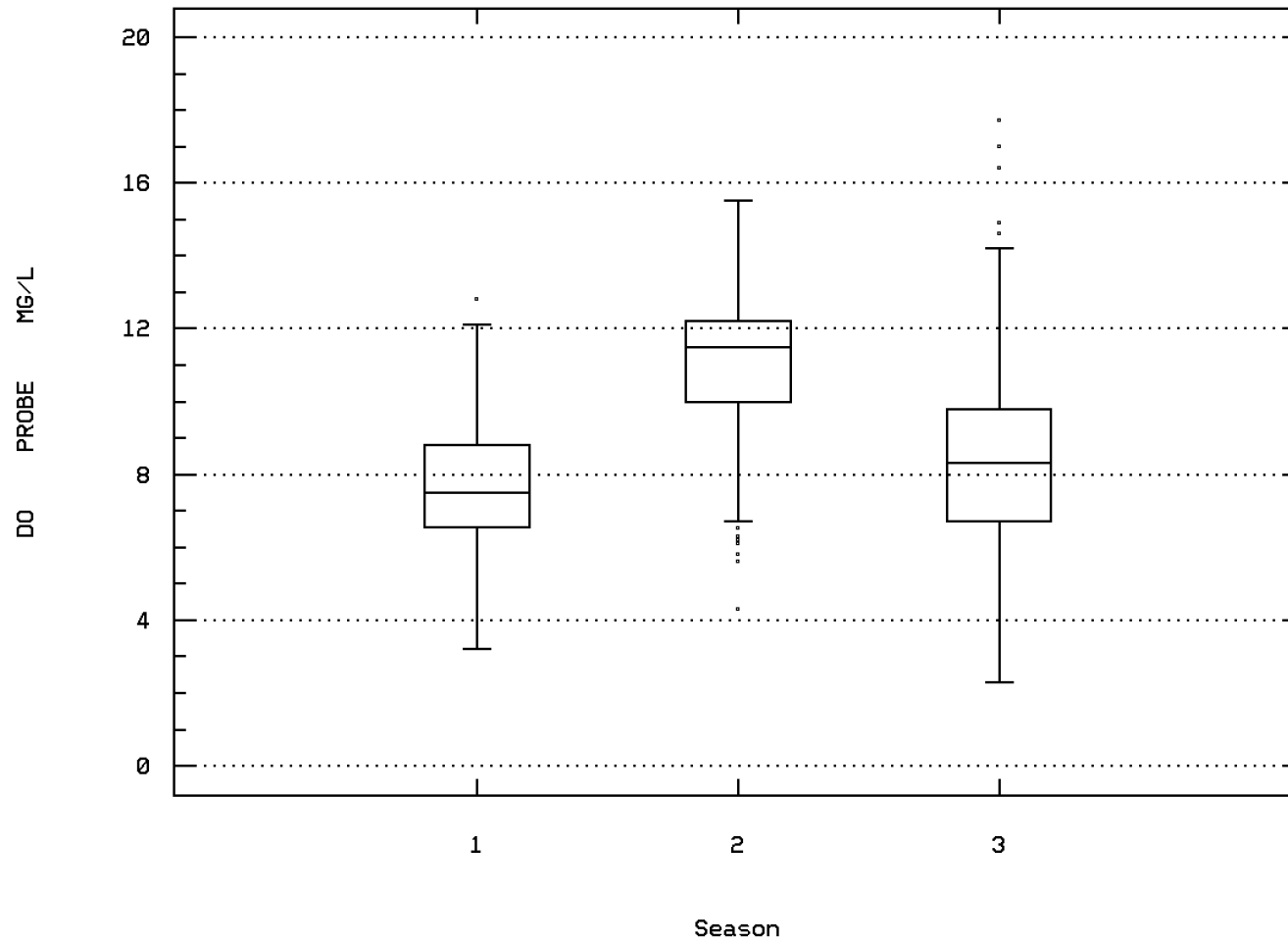
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00299

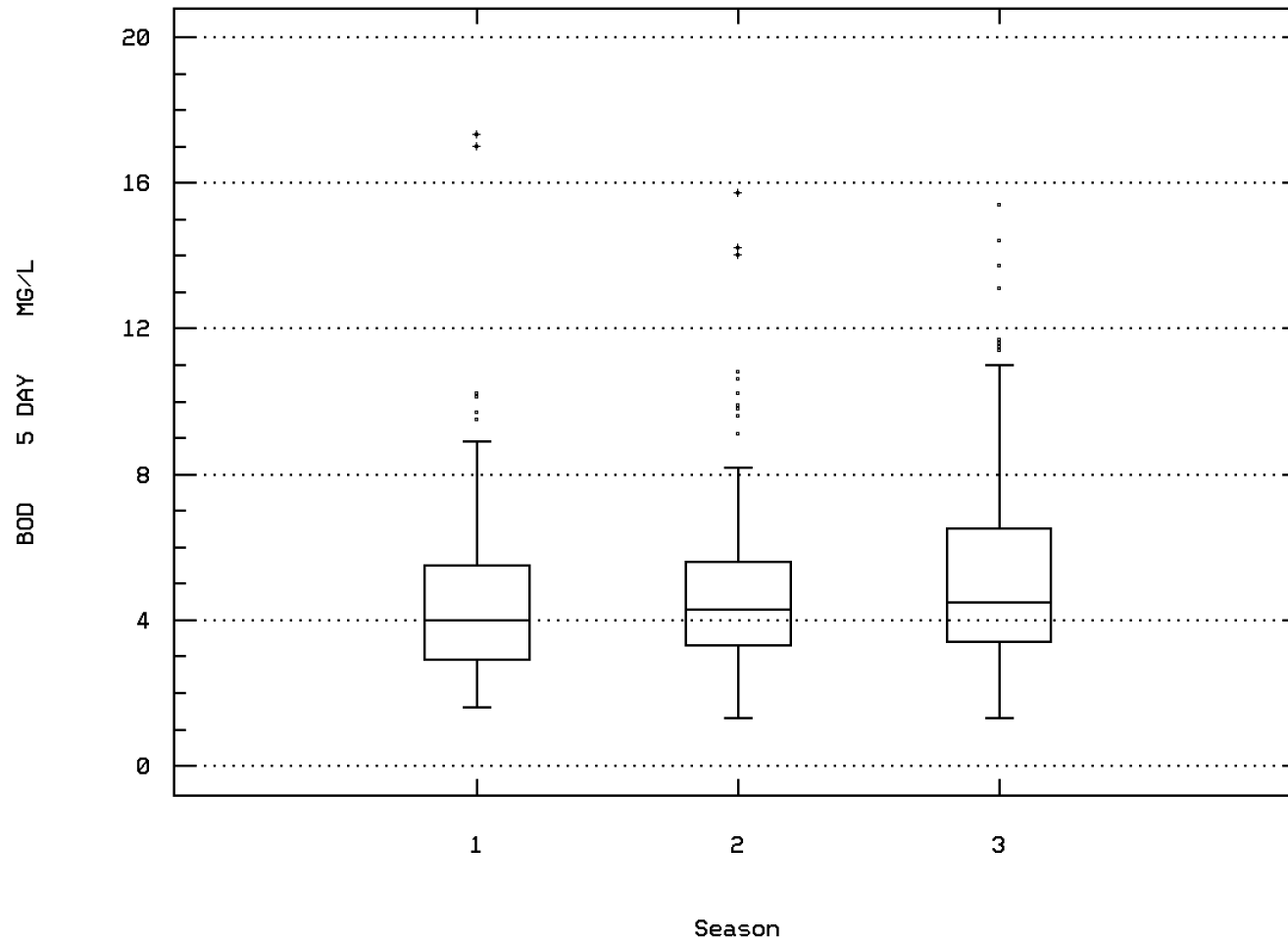
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00310

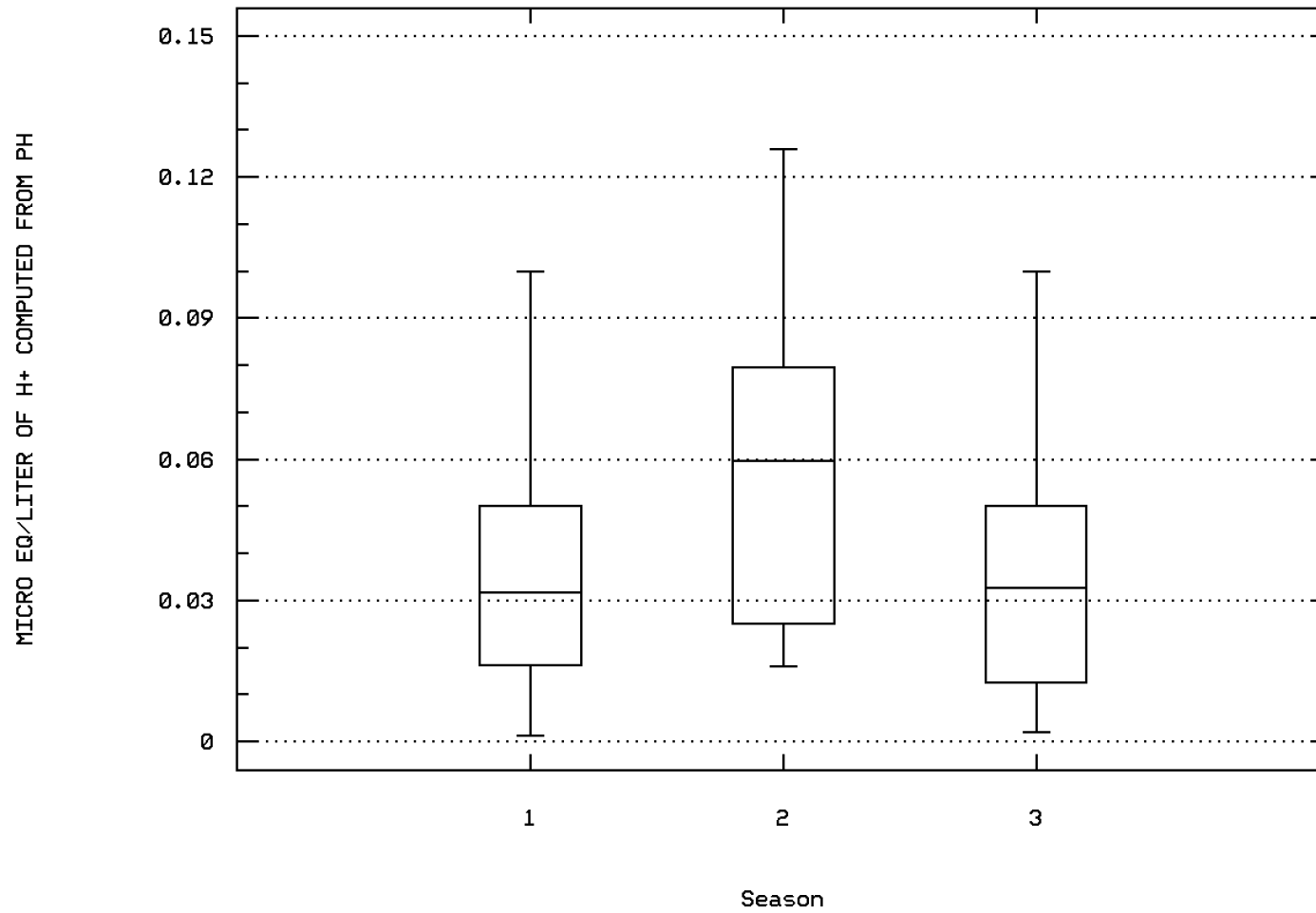
BOD, 5 DAY, 20 DEG C



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00400

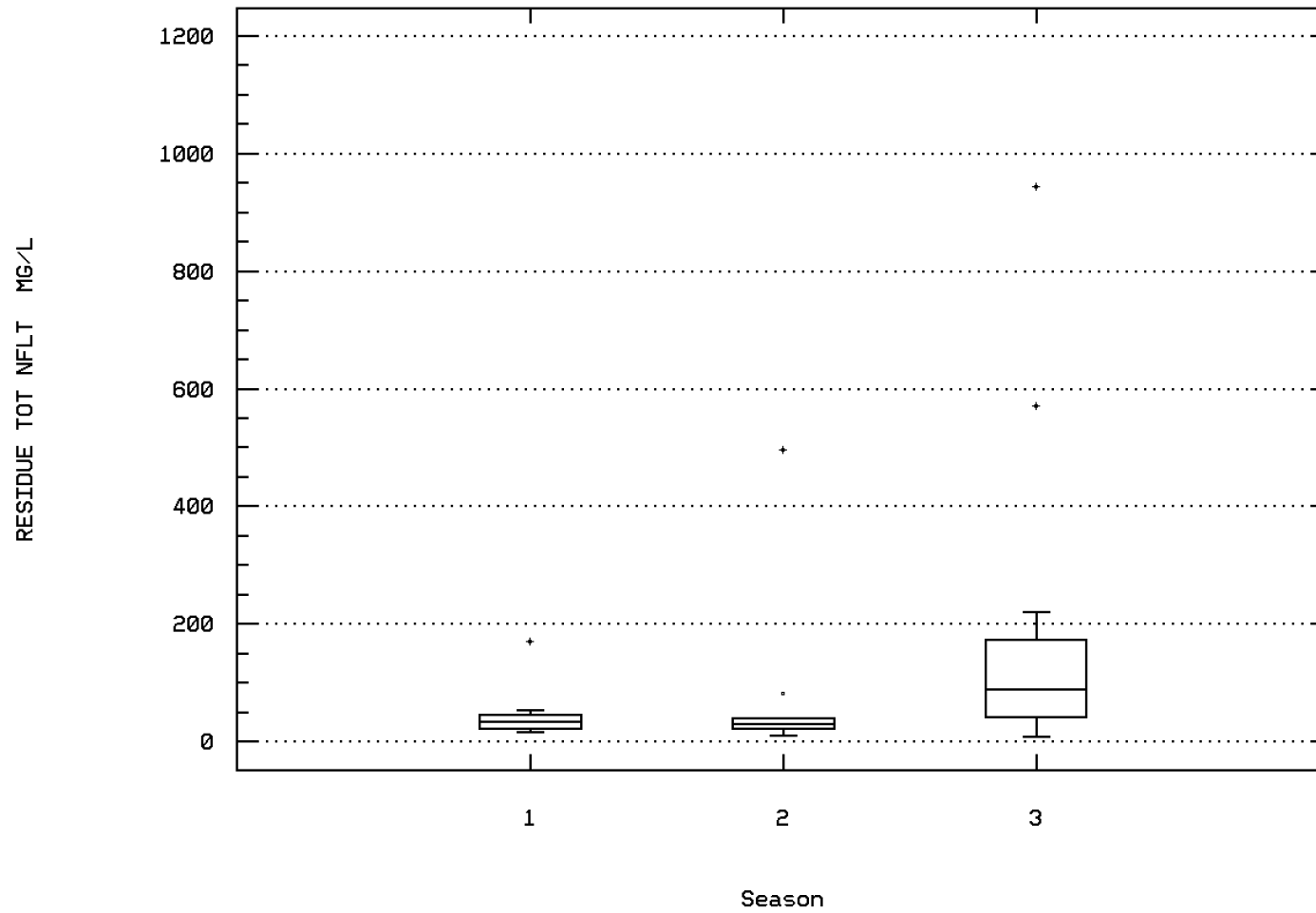
MICRO EQ/LITER OF H+ COMPUTED FROM PH



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00530

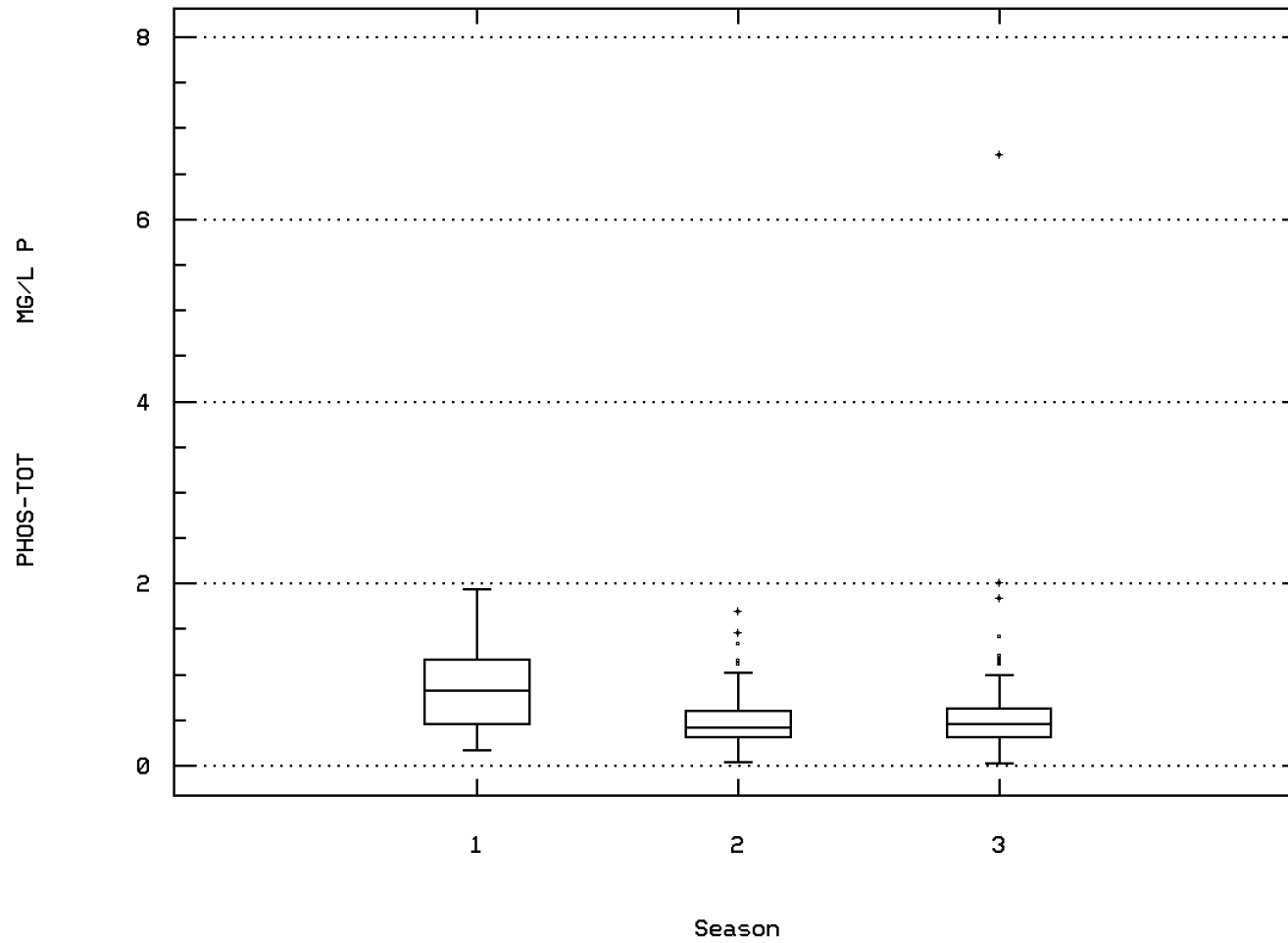
RESIDUE, TOTAL NONFILTRABLE (MG/L)



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00665

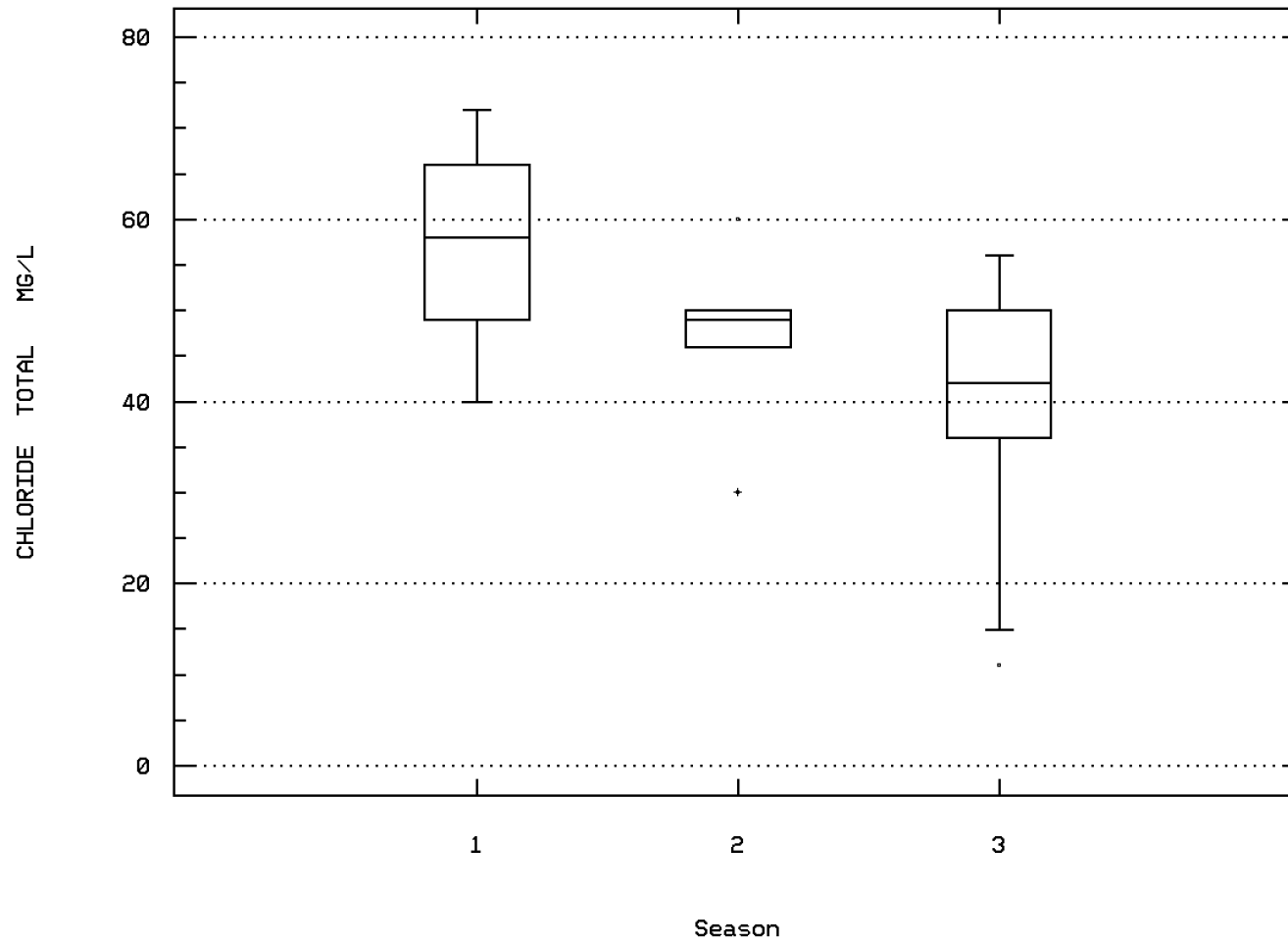
PHOSPHORUS, TOTAL (MG/L AS P)



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station: HOCU0003 Parameter Code: 00940

CHLORIDE, TOTAL IN WATER



SCIOTO R. DST CHILLICOTHE - U.S. RT. 35

Station Inventory for Station: HOCU0004

NPS Station ID: HOCU0004

Location: SCIOTO R. SE OF CHILLICOTHE-2.2 MI. DST PAINT CR

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 061.30

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002076

RF3 Index: 05060002007001.24

Description:

PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LOWER SCIOTO RIVER. THIS SITE CONTAINS SEDIMENT DATA.

LOCATION - ROSS CO.; LOCATED APPROXIMATELY 2.2 MILES DOWNSTREAM FROM THE CONFLUENCE OF PAINT CREEK; NEAR ISLAND NEAR DEADMAN CROSSING.

COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, SOUTHEAST DISTRICT OFFICE, (614) 385-8501. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.

REMARKS - U.S.G.S. QUADRANGLE: CHILLICOTHE EAST, OHIO

LAT/LON: 39.271115/ -82.925281

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 1.350

RF3 Mile Point: 6.10

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13S06

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.04

Date Created: 05/31/86

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0004

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85	1	19500.	19500.	19500.	19500.	0.	0.	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-08/21/85	1	0.28	0.28	0.28	0.28	0.	0.	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-08/21/85	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-08/21/85	1	11.	11.	11.	11.	0.	0.	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-08/21/85	1	11.	11.	11.	11.	0.	0.	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-08/21/85	1	14.	14.	14.	14.	0.	0.	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-08/21/85	1	63.	63.	63.	63.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: HOCU0005

NPS Station ID: HOCU0005 Location: SCIOTO R. 0.5 MI DST CONFL PAINT CREEK Station Type: /TYPA/AMBNT/STREAM RMI-Indexes: 1021500 007720 13190 RMI-Miles: 0953.80 0624.93 063.00 HUC: 05060002 Major Basin: OHIO RIVER Minor Basin: SCIOTO RIVER RF1 Index: 05060002077 RF3 Index: 05060002007815.27 Description: PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS RMI=624.93/63.00 WATER USE DESIGNATION AS OF 5/30/80	LAT/LON: 39.289449/ -82.929448 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.210 RF3 Mile Point: 18.21	Agency: 21OHIO FIPS State/County: 39141 OHIO/ROSS STORET Station ID(s): V13P07 Within Park Boundary: No Aquifer: Water Body Id: ECO Region: Distance from RF1: 0.00 Distance from RF3: 0.00
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Date Created: 08/09/80

On/Off RF1: OFF
On/Off RF3:

LOCATION-ROSS CO.,SCIOTO RIVER 0.5 MI BELOW PAINT CREEK CONFLUENCE
COLLECTION-OHIO EPA-CENTRAL OFFICE

Parameter Inventory for Station: HOCU0005

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/15/79-10/23/79	3	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-10/23/79	2	683.5	683.5	707.	660.	1104.5	33.234	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-10/23/79	2	2.25	2.25	2.4	2.1	0.045	0.212	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/10/79-10/23/79	2	7.55	7.55	7.6	7.5	0.005	0.071	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/10/79-10/23/79	2	7.547	7.547	7.6	7.5	0.005	0.071	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/79-10/23/79	2	0.028	0.028	0.032	0.025	0.	0.005	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-10/23/79	3	0.08	0.087	0.12	0.06	0.001	0.031	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/23/79	3	0.7	0.767	0.9	0.7	0.013	0.115	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/23/79	3	2.49	2.5	2.6	2.41	0.009	0.095	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-10/23/79	3	0.23	0.23	0.24	0.22	0.	0.01	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/23/79-10/23/79	1	84.	84.	84.	84.	0.	0.	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/23/79	1	33.	33.	33.	33.	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/23/79	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/23/79	3 ##	15.	15.	15.	15.	0.	0.	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/23/79	3 ##	15.	15.	15.	15.	0.	0.	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/23/79-10/23/79	1	900.	900.	900.	900.	0.	0.	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/23/79-10/23/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/10/79-10/23/79	2 ##	50.	50.	50.	50.	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/23/79	3 ##	15.	15.	15.	15.	0.	0.	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-10/23/79	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0005

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00403	PH, LAB					Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
	Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0005

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	10.	3	0	0.00	2	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	3.9	3	0	0.00	2	0	0.00				1	0	0.00			
	Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	100.	3	0	0.00	2	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	18.	3	0	0.00	2	0	0.00				1	0	0.00			
	Drinking Water	1300.	3	0	0.00	2	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	82.	1	0	0.00	1	0	0.00									
	Drinking Water	15.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	1400.	2	0	0.00	2	0	0.00									
	Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	120.	3	0	0.00	2	0	0.00				1	0	0.00			
	Drinking Water	5000.	3	0	0.00	2	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
	Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0006

NPS Station ID: HOCU0006 Location: SCIOTO RIVER DST OF PAINT CREEK (63.25) Station Type: /TYPA/AMBNT/STREAM/BIO RMI-Indexes: 1021500 007720 13190 RMI-Miles: 0953.80 0624.93 063.25 HUC: 05060002 Major Basin: OHIO RIVER Minor Basin: SCIOTO RIVER RF1 Index: 05060002077 RF3 Index: 05060002007600.00 Description: PURPOSE - OHIO EPA WQ SURVEY FOR DETERMINATION OF WASTELOAD ALLOCATION. LOCATION - SCIOTO RIVER APPROX. 0.3 MI DST OF PAINT CREEK AT RM 63.25, 0.82 MI UPSTREAM OF INDIAN CREEK. NOTE - RIVER MILE DERIVED FROM A PHOTOREVISED MAP. BOTH PAINT CR. AND SCIOTO RIVER MILE POINTS HAVE CHANGED FROM THE ORIGINAL PEMSO MAP.	LAT/LON: 39.291392/ -82.929726 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.820 RF3 Mile Point: 0.00	Agency: 21OHIO FIPS State/County: 39141 OHIO/ROSS STORET Station ID(s): V13W05 Within Park Boundary: No Aquifer: Water Body Id: ECO Region: Distance from RF1: 0.00 Distance from RF3: 0.02
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Date Created: 06/11/88

On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: HOCU0006

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00319 BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	1	221.	221.	221.	221.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	2.36	2.36	2.36	2.36	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	1	2.39	2.39	2.39	2.39	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	1	334.	334.	334.	334.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	05/31/88-05/31/88	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-05/31/88	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	1	66.	66.	66.	66.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/31/88-05/31/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-05/31/88	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/31/88-05/31/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/31/88-05/31/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/31/88-05/31/88	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/31/88-05/31/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	05/31/88-05/31/88	1	534.	534.	534.	534.	0.	0.	**	**	**	**
80082 BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
80087 BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0006

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00						1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00						1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00						1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00						1	0	0.00			
		Drinking Water	250.	1	0	0.00						1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
		Drinking Water	5.	1	0	0.00						1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00						1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00						1	0	0.00			
		Drinking Water	1300.	1	0	0.00						1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00						1	0	0.00			
		Drinking Water	15.	1	0	0.00						1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	100.	1	0	0.00						1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00						1	0	0.00			
		Drinking Water	5000.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0007

NPS Station ID: HOCU0007
 Location: SCIOTO RIVER @ CHILLICOTHE
 Station Type: /TYPA/AMBNT/FISH/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060002
 Major Basin:
 Minor Basin:
 RF1 Index: 05060002
 RF3 Index: 05060002090300.00
 Description:

LAT/LON: 39.293337/ -82.930005

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 5.07

Agency: 11BIOACC
 FIPS State/County: 39129 OHIO/PICKAWAY
 STORET Station ID(s): 3132
 Within Park Boundary: No

Date Created: 05/16/92

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 11.80
 Distance from RF3: 0.46

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	09/16/85-09/17/85	3	122.	134.667	161.	121.	520.333	22.811	**	**	**	**
30344 PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	09/16/85-09/17/85	2	2.335	2.335	2.48	2.19	0.042	0.205	**	**	**	**
30345 HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	09/16/85-09/17/85	2 ##	0.978	0.978	1.315	0.64	0.228	0.477	**	**	**	**
30346 HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	09/16/85-09/17/85	2	8.805	8.805	12.2	5.41	23.052	4.801	**	**	**	**
30347 HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	09/16/85-09/17/85	2	1.8	1.8	2.68	0.92	1.549	1.245	**	**	**	**
30348 HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	09/16/85-09/17/85	1	4.91	4.91	4.91	4.91	0.	0.	**	**	**	**
30349 TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	09/16/85-09/17/85	2	5.88	5.88	6.13	5.63	0.125	0.354	**	**	**	**
30350 PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	09/16/85-09/17/85	2 ##	0.768	0.768	0.81	0.725	0.004	0.06	**	**	**	**
30353 HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	09/16/85-09/17/85	2 ##	1.433	1.433	1.455	1.41	0.001	0.032	**	**	**	**
30354 HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	09/16/85-09/17/85	2 ##	1.378	1.378	1.38	1.375	0.	0.004	**	**	**	**
30356 HEPTACHLORODIBENZOFURAN,1234678- , FISH,WET WT,PG/G	09/16/85-09/17/85	2	1.765	1.765	2.52	1.01	1.14	1.068	**	**	**	**
30357 HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	09/16/85-09/17/85	2 ##	1.298	1.298	1.3	1.295	0.	0.004	**	**	**	**
34395 HEXACHLOROBUTADIENE WET WGT TISM/G/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34555 1,2,4-TRICHLOROBENZENE WET WGT TISM/G/KG	09/17/85-09/17/85	2	0.01	0.01	0.012	0.008	0.	0.003	**	**	**	**
34685 ENDRIN WET WGT TISM/G/KG	09/17/85-09/17/85	2	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
34686 HEPTACHLOR EPOXIDE WET WGT TISM/G/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34687 HEPTACHLOR WET WGT TISM/G/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34688 HEXACHLOROBENZENE WET WGT TISM/G/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34754 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	09/16/85-09/17/85	2	11.665	11.665	14.75	8.58	19.034	4.363	**	**	**	**
38824 ISOPROPALIN TISWETWGTMG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39063 CHLORDANE-CIS ISOMER, TISSUE WET WGT (UG/G)	09/17/85-09/17/85	2	0.061	0.061	0.068	0.054	0.	0.01	**	**	**	**
39066 CHLORDANE-TRANS ISOMER, TISSUE WET WGT (UG/G)	09/17/85-09/17/85	2	0.044	0.044	0.046	0.041	0.	0.004	**	**	**	**
39074 BHC-ALPHA ISOMER, TISSUE UG/G WET WGT	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39319 MONOCHLOROBIPHENYL, TOTAL, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39322 P,P'-DDE IN TISSUE WET WGT MG/KG	09/17/85-09/17/85	2	0.055	0.055	0.06	0.05	0.	0.007	**	**	**	**
39335 DICHLOBIPHENYL, TOTAL, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2	0.007	0.007	0.009	0.004	0.	0.004	**	**	**	**
39339 TRICHLOROBIPHENYL, TOTAL, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2	0.127	0.127	0.127	0.126	0.	0.001	**	**	**	**
39345 TETRACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2	0.738	0.738	0.792	0.684	0.006	0.076	**	**	**	**
39347 PENTACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2	0.801	0.801	0.815	0.787	0.	0.02	**	**	**	**
39354 HEPTACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2	0.437	0.437	0.469	0.404	0.002	0.046	**	**	**	**
39355 OCTACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2	0.087	0.087	0.098	0.076	0.	0.016	**	**	**	**
39404 DIELDRIN IN TISSUE WET WGT (UG/G)	09/17/85-09/17/85	2	0.075	0.075	0.08	0.07	0.	0.007	**	**	**	**
39408 NONACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39409 DECACHLOROBIPHENYL, TOT, TISSUE, WET, WT, MG/KG	09/17/85-09/17/85	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39785 GAMMA-BHC(LINDANE), TISSUE, WET WEIGHT, MG/KG	09/17/85-09/17/85	2 ##	0.006	0.006	0.01	0.002	0.	0.006	**	**	**	**
46333 PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	09/17/85-09/17/85	2 ##	0.008	0.008	0.014	0.002	0.	0.009	**	**	**	**
70977 INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	09/16/85-09/17/85	2	17.325	17.325	20.31	14.34	17.82	4.221	**	**	**	**
71935 MERCURY, TOTAL IN FISH (PPM, WET WEIGHT BASIS)	09/17/85-09/17/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0007

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
76530 BIPHENYL TISSUE ,WET WGT,MG/KG	09/17/85-09/17/85	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78907 HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	09/17/85-09/17/85	2	0.78	0.78	0.86	0.7	0.013	0.113	**	**	**	**
78922 NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	09/17/85-09/17/85	2	0.12	0.12	0.13	0.11	0.	0.014	**	**	**	**
78923 NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	09/17/85-09/17/85	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
79026 1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	09/17/85-09/17/85	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81312 POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	09/17/85-09/17/85	2	2.975	2.975	3.146	2.804	0.058	0.242	**	**	**	**
81644 METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81645 MIREX IN FISH TISSUE WET WEIGHT UG/G	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81652 TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	09/17/85-09/17/85	2	0.006	0.006	0.006	0.005	0.	0.001	**	**	**	**
81807 DURSBN IN FISH TISSUE WET WEIGHT MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81823 PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	09/17/85-09/17/85	2	0.006	0.006	0.007	0.005	0.	0.001	**	**	**	**
82029 OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/17/85-09/17/85	2	0.026	0.026	0.026	0.025	0.	0.001	**	**	**	**
85675 TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85676 TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
85677 TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85678 TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85679 PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
85680 DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85681 OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85682 NITROFEN TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85683 PERTHANE TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85684 DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	09/17/85-09/17/85	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

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***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: HOCU0008

NPS Station ID: HOCU0008
 Location: SCIOTO R. DST CONFL PAINT CREEK (RM 63.40)
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes: 1021500 007720 13190
 RMI-Miles: 0953.80 0624.93 063.40
 HUC: 05060002
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060002077
 RF3 Index: 05060003000100.01

LAT/LON: 39.294448/ -82.931392

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.810
 RF3 Mile Point: 1.89

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V13S01
 Within Park Boundary: No

Date Created: 07/13/85

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.70
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Description:
 PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE SCIOTO RIVER DOWNSTREAM FROM PAINT CREEK AND THE PIKETON DEPT. OF ENERGY.
 LOCATION - ROSS CO.; LOCATED JUST DOWNSTREAM FROM THE CONFLUENCE OF PAINT CREEK, AT THE END OF THE GRAVEL PIT ACCESS ROAD.
 COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, SOUTHEAST DISTRICT OFFICE, (614) 385-8501. SAMPLES ANALYZED BY THE OHIO EPA
 CHEMISTRY LABORATORY.
 REMARKS - U.S.G.S. QUADRANGLE: CHILLICOTHE EAST, OHIO

Parameter Inventory for Station: HOCU0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/85-09/23/97	12	22.2	21.842	27.	15.	11.823	3.438	15.78	19.5	24.15	26.76
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/85-09/23/97	9	740.	715.556	1305.	420.	79041.528	281.143	420.	450.5	851.	1305.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/85-09/23/97	9	782.	835.333	1300.	415.	69301.5	263.252	415.	681.5	1042.	1300.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/85-09/23/97	12	8.25	7.858	12.	4.9	4.574	2.139	4.99	5.675	9.25	11.4
00310 BOD, 5 DAY, 20 DEG C MG/L	08/20/92-09/23/97	7	2.5	3.243	10.	1.	9.343	3.057	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/24/85-09/23/97	11	28.	33.455	92.	16.	480.273	21.915	16.2	18.	36.	83.6
00400 PH (STANDARD UNITS)	07/24/85-09/23/97	12	7.965	7.982	8.8	7.5	0.138	0.371	7.518	7.74	8.13	8.71
00400 CONVERTED PH (STANDARD UNITS)	07/24/85-09/23/97	12	7.965	7.867	8.8	7.5	0.152	0.39	7.518	7.74	8.13	8.71
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/85-09/23/97	12	0.011	0.014	0.032	0.002	0.	0.009	0.002	0.008	0.018	0.03
00403 PH, LAB, STANDARD UNITS SU	08/20/92-09/24/92	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	08/20/92-09/24/92	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/92-09/24/92	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/23/97	5	238.	225.2	306.	144.	3582.7	59.856	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/92-09/23/97	7	20.	40.143	154.	10.	2587.476	50.867	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/85-09/23/97	12 ##	0.038	0.091	0.39	0.025	0.011	0.107	0.025	0.025	0.128	0.324
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-09/23/97	6	0.02	0.027	0.05	0.02	0.	0.012	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/85-09/23/97	11	0.8	0.809	1.6	0.2	0.177	0.421	0.24	0.5	1.2	1.54
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/85-09/23/97	11	1.68	1.643	2.56	0.46	0.459	0.677	0.496	1.32	2.18	2.54
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/24/85-09/23/97	11	0.3	0.369	1.05	0.1	0.082	0.286	0.104	0.13	0.53	0.952
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/23/97	5	11.	14.1	32.	5.5	106.3	10.31	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-09/23/97	12	309.5	298.333	335.	249.	916.606	30.276	252.3	264.75	322.25	333.2
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/24/85-09/23/97	11	75.	74.309	83.1	62.4	53.965	7.346	62.72	68.	80.9	82.96
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/24/85-09/23/97	11	28.7	28.473	34.	23.	10.88	3.299	23.4	25.2	30.	33.8
00929 SODIUM, TOTAL (MG/L AS NA)	08/20/92-09/23/97	7	60.	69.143	182.	11.	3286.81	57.331	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/23/97	5	6.	6.4	10.	4.	5.3	2.302	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/20/92-09/23/97	6	40.5	45.667	94.	14.	690.667	26.281	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	08/20/92-09/23/97	6	91.	102.833	199.	28.	3196.167	56.535	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	08/19/97-09/23/97	3	0.2	0.203	0.21	0.2	0.	0.006	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/24/85-09/23/97	12 ##	1.	1.5	4.	1.	0.818	0.905	1.	1.	2.	3.4

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Parameter Inventory for Station: HOCU0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/15/92-10/15/92	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/15/92-10/15/92	1	69.8	69.8	69.8	69.8	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/85-09/23/97	11 ##	0.1	0.109	0.2	0.1	0.001	0.03	0.1	0.1	0.18
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/15/92-10/15/92	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/15/92-10/15/92	1	17.2	17.2	17.2	17.2	0.	0.	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/85-09/23/97	11 ##	15.	50.909	410.	15.	14184.091	119.097	15.	15.	331.
01042	COPPER, TOTAL (UG/L AS CU)	07/24/85-09/23/97	11	3.	3.273	5.	1.	3.018	1.737	1.	2.	5.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/92-10/15/92	1	23.1	23.1	23.1	23.1	0.	0.	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/20/92-09/23/97	6	605.5	669.833	1310.	288.	175528.167	418.961	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/24/85-09/23/97	11 ##	1.	1.636	5.	1.	1.655	1.286	1.	1.	4.6
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/92-10/15/92	1	43.	43.	43.	43.	0.	0.	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/23/97	4	126.	127.25	213.	44.	6852.917	82.782	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/85-09/23/97	12 ##	20.	26.667	60.	20.	169.697	13.027	20.	20.	54.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/15/92-10/15/92	1	24.7	24.7	24.7	24.7	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/85-09/23/97	12	15.	18.833	40.	5.	106.515	10.321	6.5	11.5	37.9
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/92-10/15/92	1	147.	147.	147.	147.	0.	0.	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/23/97	5	529.	1326.8	4630.	253.	3437290.7	1853.993	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-09/23/97	10 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/15/92-10/15/92	1	20400.	20400.	20400.	20400.	0.	0.	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/27/97-08/27/97	1	300.	300.	300.	300.	0.	0.	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/27/97-08/27/97	1	2.477	2.477	2.477	2.477	0.	0.	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		300.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/31/97-07/31/97	1	60.	60.	60.	60.	0.	0.	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/31/97-07/31/97	1	1.778	1.778	1.778	1.778	0.	0.	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =		60.								
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	11/06/85-11/06/85	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	11/06/85-11/06/85	1 ##	0.45	0.45	0.45	0.45	0.	0.	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	11/06/85-11/06/85	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	11/06/85-11/06/85	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	11/06/85-11/06/85	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	11/06/85-11/06/85	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-11/06/85	6 ##	5.	5.558	13.	0.35	16.75	4.093	**	**	**
34010	TOLUENE IN WTR SMPLR GC-MS, HEXADECONE EXTR.(UG/L)	11/06/85-11/06/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34030	BENZENE IN WTR SMPLR GC-MS, HEXADECONE EXTR.(UG/L)	11/06/85-11/06/85	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
34205	ACENAPHTHENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**
34220	ANTHRACENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	11/06/85-11/06/85	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	11/06/85-11/06/85	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	11/06/85-11/06/85	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	11/06/85-11/06/85	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	11/06/85-11/06/85	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	11/06/85-11/06/85	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	11/06/85-11/06/85	1	1.	1.	1.	1.	0.	0.	**	**	**
34301	CHLOROBENZENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
34311	CHLOROETHANE TOTWUG/L	11/06/85-11/06/85	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**
34320	CHRYSENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	11/06/85-11/06/85	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	11/06/85-11/06/85	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**
34376	FLUORANTHENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**
34381	FLUORENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	11/06/85-11/06/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	11/06/85-11/06/85	1 ##	1.85	1.85	1.85	1.85	0.	0.	**	**	**
34408	ISOPHORONE TOTWUG/L	11/06/85-11/06/85	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**
34413	METHYL BROMIDE TOTWUG/L	11/06/85-11/06/85	1 ##	1.3	1.3	1.3	1.3	0.	0.	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	11/06/85-11/06/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	11/06/85-11/06/85	1 ##	1.	1.	1.	1.	0.	0.	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	11/06/85-11/06/85	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**
34447	NITROBENZENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	11/06/85-11/06/85	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**
34461	PHENANTHRENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34469	PYRENE TOTWUG/L	11/06/85-11/06/85	1 ##	0.75	0.75	0.75	0.75	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34475	TETRACHLOROETHYLENE TOTWUG/L	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	1 ##	2.05	2.05	2.05	2.05	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	1 ##	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	1 ##	8.25	8.25	8.25	8.25	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	1 ##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	1	11.54	11.54	11.54	11.54	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	1 ##	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	9	558.	871.778	3480.	242.	989768.444	994.871	242.	417.	787.	3480.
71900	MERCURY, TOTAL (UG/L AS HG)	5 ##	0.1	0.16	0.4	0.1	0.018	0.134	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: HOCU0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	6	0	0.00			6	0	0.00			
00400	PH	Fresh Chronic	9.	12	0	0.00	6	0	0.00			6	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	6	0	0.00			6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00			1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00			1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	4	0	0.00			2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	6	0	0.00			5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	3	0	0.00			3	0	0.00			
		Drinking Water	250.	6	0	0.00	3	0	0.00			3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00			3	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	2	0	0.00			1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01002 ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	6	0	0.00				6	0	0.00			
	Drinking Water	50.	12	0	0.00	6	0	0.00				6	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	6	0	0.00				5	0	0.00			
	Drinking Water	5.	11	0	0.00	6	0	0.00				5	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	11	1	0.09	6	1	0.17				5	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	11	0	0.00	6	0	0.00				5	0	0.00			
	Drinking Water	1300.	11	0	0.00	6	0	0.00				5	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	6	0	0.00				5	0	0.00			
	Drinking Water	15.	11	0	0.00	6	0	0.00				5	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	6	0	0.00				6	0	0.00			
	Drinking Water	100.	12	0	0.00	6	0	0.00				6	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	6	0	0.00				6	0	0.00			
	Drinking Water	5000.	12	0	0.00	6	0	0.00				6	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	10	0	0.00	5	0	0.00				5	0	0.00			
	Drinking Water	50.	10	0	0.00	5	0	0.00				5	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
32103 1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
32104 BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32105 DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00				1	0	0.00						
	Drinking Water	1000.	1	0	0.00				1	0	0.00						
34205 ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00				1	0	0.00						
34301 CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
34376 FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00				1	0	0.00						
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
34396 HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00				1	0	0.00						
34403 INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00												
34408 ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00				1	0	0.00						
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00				1	0	0.00						
34447 NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00				1	0	0.00						
34452 PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34461 PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34475 TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
34501 1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00				1	0	0.00						
34506 1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00				1	0	0.00						
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00				1	0	0.00						
34536 1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00				1	0	0.00						
34541 1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00				1	0	0.00						
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00				1	0	0.00						
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00				1	0	0.00						
34566 1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00				1	0	0.00						
34571 1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00				1	0	0.00						
34586 2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00				1	0	0.00						
34601 2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00				1	0	0.00						
34606 2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00				1	0	0.00						
34611 2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00				1	0	0.00						
34696 NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00				1	0	0.00						
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	1.	1	0	0.00				1	0	0.00						
39175 VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00			1	0	0.00						
		Drinking Water	5.	1	0	0.00			1	0	0.00						
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00			1	0	0.00						
		Drinking Water	1.	1	0	0.00			1	0	0.00						
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00			1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00						3	0	0.00
		Drinking Water	2.	5	0	0.00	2	0	0.00						3	0	0.00
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	0.00											

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0009

NPS Station ID: HOCU0009 LAT/LON: 39.297087/ -82.932781
 Location: SCIOTO RIVER 0.1 MI UPST PAINT CREEK (63.6)

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V13W04
 Within Park Boundary: No

Date Created: 06/11/88

Station Type: /TYPA/AMBNT/STREAM/BIO
 RMI-Indexes: 1021500 007720 13190
 RMI-Miles: 0953.80 0624.93 063.60

HUC: 05060002
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER

Depth of Water: 0
 Elevation: 0

RF1 Index: 05060002078
 RF3 Index: 05060003000100.01

RF1 Mile Point: 0.100
 RF3 Mile Point: 2.22

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.03

On/Off RF1: ON
 On/Off RF3:

Description:

PURPOSE - OHIO EPA WQ SURVEY FOR DETERMINATION OF WASTELOAD ALLOCATION. LOCATION - SCIOTO RIVER APPROX. 0.1 MI UPST OF PAINT CREEK NEAR CHILLICOTHE.
 COLLECTION - 1988 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQMA.

Parameter Inventory for Station: HOCU0009

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	1	227.	227.	227.	227.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	1	2.53	2.53	2.53	2.53	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	1	318.	318.	318.	318.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	05/31/88-05/31/88	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS Mg)	05/31/88-05/31/88	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	1	56.	56.	56.	56.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS Cd)	05/31/88-05/31/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS Cr)	05/31/88-05/31/88	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS Cu)	05/31/88-05/31/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS Pb)	05/31/88-05/31/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS Ni)	05/31/88-05/31/88	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS Zn)	05/31/88-05/31/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	05/31/88-05/31/88	1	526.	526.	526.	526.	0.	0.	**	**	**	**
80082 BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
80087 BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81235 BOD, CARBONACEOUS, 42 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	14.	14.	14.	14.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0009

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
												1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0009

Parameter	Std. Type	Std. Value	Total		Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL I DET.	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0010

NPS Station ID: HOCU0010 LAT/LON: 39.294448/ -82.933616
 Location: PAINT CREEK NR CHILLICOTHE - AT MOUTH (RM 0.1)

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V10S08
 Within Park Boundary: No

Date Created: 07/13/85

Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 000.10
 HUC: 05060003

Depth of Water: 0
 Elevation: 0

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.06

Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060002004602.56

RF1 Mile Point: 0.000
 RF3 Mile Point: 3.60

On/Off RF1:
 On/Off RF3:

Description:
 PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF PAINT CREEK DOWNSTREAM FROM MEAD PAPER CO.
 LOCATION - ROSS CO.; LOCATED AT THE MOUTH OF PAINT CREEK, NEAR THE GRAVEL PIT ACCESS ROAD.
 COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, SOUTHEAST DISTRICT OFFICE, (614) 385-8501. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.
 REMARKS - U.S.G.S. QUADRANGLE: CHILLICOTHE EAST, OHIO

Parameter Inventory for Station: HOCU0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/85-09/24/97	13	23.5	23.408	29.5	16.5	10.536	3.246	17.98	21.15	25.5	28.18
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/85-10/22/97	10	833.5	777.3	1256.	420.	61660.456	248.315	423.	525.	882.	1220.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/85-10/22/97	11	889.	1004.455	1670.	414.	117525.273	342.82	492.6	810.	1260.	1610.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/85-09/24/97	13	6.1	6.431	8.8	5.1	1.272	1.128	5.1	5.65	7.05	8.6
00310 BOD, 5 DAY, 20 DEG C MG/L	07/22/92-10/22/97	8	1.8	2.288	6.6	1.	3.313	1.82	**	**	**	**
00319 BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/24/85-10/22/97	12	32.5	40.167	80.	14.	509.788	22.578	15.5	21.25	57.5	79.4
00400 PH (STANDARD UNITS)	07/24/85-10/22/97	14	7.805	7.876	8.4	7.56	0.062	0.25	7.58	7.71	8.02	8.345
00400 CONVERTED PH (STANDARD UNITS)	07/24/85-10/22/97	14	7.805	7.819	8.4	7.56	0.066	0.256	7.58	7.71	8.02	8.345
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/85-10/22/97	14	0.016	0.015	0.028	0.004	0.	0.007	0.005	0.01	0.02	0.026
00403 PH, LAB, STANDARD UNITS SU	07/22/92-08/20/92	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	07/22/92-08/20/92	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/92-08/20/92	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-10/22/97	7	229.	223.429	298.	142.	2134.619	46.202	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-09/24/97	14	31.	38.714	125.	12.	846.066	29.087	14.5	19.5	47.	96.5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/85-10/22/97	15	0.05	0.091	0.37	0.025	0.009	0.094	0.025	0.025	0.15	0.256
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-09/24/97	8	0.02	0.023	0.04	0.01	0.	0.012	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	1.99	1.99	1.99	1.99	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/85-10/22/97	15	0.7	0.725	1.4	0.2	0.075	0.274	0.38	0.6	0.8	1.16
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	07/24/85-10/22/97	15	1.35	1.293	4.38	0.2	1.174	1.084	0.284	0.41	1.66	3.192
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/24/85-10/22/97	14	0.225	0.271	0.64	0.025	0.037	0.191	0.053	0.105	0.433	0.58
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/24/97	5	11.	13.08	27.	5.4	66.432	8.151	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-10/22/97	15	294.	288.8	337.	207.	1322.029	36.36	225.6	268.	321.	331.6
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/24/85-10/22/97	15	70.3	68.287	80.7	45.	113.323	10.645	50.4	61.	77.4	80.28
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/24/85-10/22/97	15	28.7	28.707	33.	23.	7.202	2.684	24.2	28.	30.	32.94
00929 SODIUM, TOTAL (MG/L AS Na)	07/22/92-09/24/97	7	74.	71.286	167.	11.	2642.571	51.406	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	6	6.	6.167	9.	4.	2.967	1.722	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/31/88-10/22/97	9	46.	52.667	92.	15.	637.75	25.254	15.	38.5	76.	92.
00945 SULFATE, TOTAL (MG/L AS SO4)	08/28/85-10/22/97	9	108.	115.667	224.	28.	3649.5	60.411	28.	76.	158.	224.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	5	0.21	0.218	0.25	0.2	0.	0.022	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	14 ##	1.	2.286	8.	1.	4.989	2.234	1.	3.25	7.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/15/92-10/15/92	1	5.83	5.83	5.83	5.83	0.	0.	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/15/92-10/15/92	1	62.4	62.4	62.4	62.4	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/85-10/22/97	15 ##	0.1	0.107	0.2	0.1	0.001	0.026	0.1	0.1	0.14
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/15/92-10/15/92	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/15/92-10/15/92	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/85-10/22/97	15 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/24/85-10/22/97	15	5.	5.667	25.	1.	32.952	5.74	1.6	5.	16.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/92-10/15/92	1	14.9	14.9	14.9	14.9	0.	0.	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/92-10/22/97	8	686.5	1226.5	4290.	161.	1935594.286	1391.256	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/24/85-10/22/97	15 ##	1.	1.6	4.	1.	1.114	1.056	1.	3.	3.4
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/92-10/15/92	1	25.7	25.7	25.7	25.7	0.	0.	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	6	81.	115.833	228.	43.	6991.367	83.614	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/85-10/22/97	15 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/15/92-10/15/92	1	23.1	23.1	23.1	23.1	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/85-10/22/97	15	15.	17.333	40.	5.	144.524	12.022	5.	30.	37.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/92-10/15/92	1	143.	143.	143.	143.	0.	0.	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	6	452.	862.667	2920.	300.	1028989.867	1014.391	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-10/22/97	12 ##	1.	1.083	2.	1.	0.083	0.289	1.	1.	1.7
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/15/92-10/15/92	1	12000.	12000.	12000.	12000.	0.	0.	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/92-08/27/97	3	240.	256.667	380.	150.	13433.333	115.902	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/92-08/27/97	3	2.38	2.379	2.58	2.176	0.041	0.202	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/92-08/27/97	3	2.38	2.379	2.58	2.176	0.041	0.202	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-10/09/85	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/85-10/22/97	15	618.	664.467	1320.	254.	72008.124	268.343	346.4	496.	1108.8
71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/24/97	5 ##	0.1	0.18	0.4	0.1	0.017	0.13	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	2.	2.	2.	2.	0.	0.	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	13	0	0.00	5	0	0.00			8	0	0.00			
00400	PH	Fresh Chronic	9.	14	0	0.00	6	0	0.00			8	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	6	0	0.00			8	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00						2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00						2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	4	0	0.00			4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00						1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	6	0	0.00			9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	250.	9	0	0.00	3	0	0.00			6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	3	0	0.00			6	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	3	0	0.00			2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	14	0	0.00	6	0	0.00			8	0	0.00			
		Drinking Water	50.	14	0	0.00	6	0	0.00			8	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	15	0	0.00	6	0	0.00			9	0	0.00			
		Drinking Water	5.	15	0	0.00	6	0	0.00			9	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	15	0	0.00	6	0	0.00			9	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	15	1	0.07	6	1	0.17			9	0	0.00			
		Drinking Water	1300.	15	0	0.00	6	0	0.00			9	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	15	0	0.00	6	0	0.00			9	0	0.00			
		Drinking Water	15.	15	0	0.00	6	0	0.00			9	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	15	0	0.00	6	0	0.00			9	0	0.00			
		Drinking Water	100.	15	0	0.00	6	0	0.00			9	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	15	0	0.00	6	0	0.00			9	0	0.00			
		Drinking Water	5000.	15	0	0.00	6	0	0.00			9	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01147	SELENIUM, TOTAL																
	Fresh Acute	20.	12	0	0.00	6	0	0.00				6	0	0.00			
	Drinking Water	50.	12	0	0.00	6	0	0.00				6	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH																
	Other-Hi Lim.	200.	3	2	0.67							3	2	0.67			
71900	MERCURY, TOTAL																
	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0011

NPS Station ID: HOCU0011 LAT/LON: 39.284448/ -82.935838

Location: INDIAN CREEK 2.5 MI NE OF MASSIEVILLE - AT MOUTH

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1090

RMI-Miles: 0953.80 0624.93 062.38 000.01

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002115

RF3 Index: 05060002002400.00

Description:

PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS

RMI=624.93/62.38/0.01

WATER USE DESIGNATION AS OF 11/19/79-WWH

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.100

RF3 Mile Point: 0.00

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13P02

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.02

Date Created: 02/23/80

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0011

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/79-05/22/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/22/79-05/22/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/22/79-05/22/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/22/79-05/22/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/79-05/22/79	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/79-05/22/79	1	359.	359.	359.	359.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/79-05/22/79	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/79-05/22/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/79-05/22/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/22/79-05/22/79	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/22/79-05/22/79	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/22/79-05/22/79	1	255.	255.	255.	255.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/22/79-05/22/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/22/79-05/22/79	1	124.	124.	124.	124.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/22/79-05/22/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/22/79-05/22/79	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/22/79-05/22/79	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/22/79-05/22/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	05/22/79-05/22/79	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0011

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE																
00400	PH																
	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N											1	0	0.00			
	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.											1	0	0.00			
	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER											1	0	0.00			
	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)											1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL											1	0	0.00			
	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL											1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL											1	0	0.00			
	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL											1	0	0.00			
	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	1	1.00							1	1	1.00			
01067	NICKEL, TOTAL											1	0	0.00			
	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL											1	0	0.00			
	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0012

NPS Station ID: HOCU0012 LAT/LON: 39.429170/ -82.938892

Location: KINNIKINNICK CREEK E OF KINNIKINNICK - RR BRIDGE

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190 1400

RMI-Miles: 0953.80 0624.93 082.96 002.95

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002

RF3 Index: 05060002006500.00

Description:

PURPOSE - INTENSIVE SURVEY OF THE LOWER SCIOTO RIVER BASIN.

SULPHUR SPRING RD., AT ZANE TRACE SCHOOL, EAST OF KINNIKINNICK.

SOUTHEAST DISTRICT OFFICE, (614) 385-8501.

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.13

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13S10

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 2.20

Distance from RF3: 0.05

Date Created: 01/09/93

On/Off RF1:

On/Off RF3:

LOCATION - ROSS CO.; LOCATED AT THE RAILROAD BRIDGE UPSTREAM FROM
COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING,
U.S.G.S. QUADRANGLE: KINGSTON, OHIO.

Parameter Inventory for Station: HOCU0012

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/92-08/25/92	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/25/92-08/25/92	1	590.	590.	590.	590.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/92-08/25/92	1	692.	692.	692.	692.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/25/92-08/25/92	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/25/92-08/25/92	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	08/25/92-08/25/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	08/25/92-08/25/92	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	08/25/92-08/25/92	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/92-08/25/92	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	08/25/92-08/25/92	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/25/92-08/25/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/92-08/25/92	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/92-08/25/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/25/92-08/25/92	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	08/25/92-08/25/92	1	365.	365.	365.	365.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	08/25/92-08/25/92	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	08/25/92-08/25/92	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/25/92-08/25/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	08/25/92-08/25/92	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	08/25/92-08/25/92	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS Cd)	08/25/92-08/25/92	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	08/25/92-08/25/92	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	08/25/92-08/25/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	08/25/92-08/25/92	1	75.	75.	75.	75.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	08/25/92-08/25/92	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	08/25/92-08/25/92	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	08/25/92-08/25/92	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	08/25/92-08/25/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	08/25/92-08/25/92	1	790.	790.	790.	790.	0.	0.	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,	08/25/92-08/25/92	1	2.898	2.898	2.898	2.898	0.	0.	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			790.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0012

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/25/92-08/25/92	1	412.	412.	412.	412.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0012

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0013

NPS Station ID: HOCU0013 LAT/LON: 39.325559/ -82.939727

Location: SCIOTO R. 0.3 MILES DST CHILLICOTHE E. WWTP

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 067.82

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002

RF3 Index: 05060002002203.05

Description:

PURPOSE - INTENSIVE SURVEY OF THE LOWER SCIOTO RIVER BASIN.

FROM THE CHILLICOTHE EASTERN WWTP. AT THE PUMPHOUSE.

SOUTHEAST DISTRICT OFFICE, (614) 385-8501.

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 3.36

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13S09

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 2.70

Distance from RF3: 0.01

Date Created: 12/12/92

On/Off RF1:

On/Off RF3:

LOCATION - ROSS CO.: LOCATED APPROXIMATELY 0.28 MILES DOWNSTREAM

COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING,

U.S.G.S. QUADRANGLE: CHILLICOTHE EAST, OHIO

Parameter Inventory for Station: HOCU0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/04/97	8	22.3	22.113	25.3	18.	5.778	2.404	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/04/97	8	552.5	555.75	789.	320.	37449.071	193.518	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/04/97	4	735.5	664.75	818.	370.	40462.25	201.152	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/04/97	7	7.8	7.414	9.8	3.2	6.685	2.585	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/04/97	8	3.15	3.313	6.1	1.3	2.598	1.612	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/09/92-09/04/97	8	19.5	22.125	35.	14.	61.839	7.864	**	**	**	**
00400 PH (STANDARD UNITS)	07/09/92-09/04/97	8	7.835	7.914	8.57	7.11	0.228	0.478	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/09/92-09/04/97	8	7.834	7.684	8.57	7.11	0.289	0.537	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/04/97	8	0.015	0.021	0.078	0.003	0.001	0.025	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	4	7.95	7.95	8.3	7.6	0.083	0.289	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	07/09/92-09/24/92	4	7.947	7.88	8.3	7.6	0.09	0.3	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/24/92	4	0.011	0.013	0.025	0.005	0.	0.009	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/04/97	4	186.	174.25	215.	110.	2038.25	45.147	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/04/97	8	57.5	81.125	263.	19.	6724.696	82.004	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/04/97	8	0.06	0.086	0.18	0.025	0.005	0.067	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/04/97	7	0.9	0.943	1.5	0.7	0.093	0.305	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-09/04/97	7	2.2	2.394	3.84	1.27	0.972	0.986	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/04/97	7	0.33	0.371	0.62	0.19	0.027	0.165	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/04/97	4	5.1	4.85	5.6	3.6	0.777	0.881	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/09/92-09/04/97	8	322.	288.375	357.	186.	4854.839	69.677	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/09/92-09/04/97	8	76.	68.625	90.	40.	398.554	19.964	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-09/04/97	8	27.	24.625	32.	15.	41.982	6.479	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	07/09/92-09/04/97	8	32.5	29.125	40.	11.	149.839	12.241	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/04/97	4	5.	5.25	6.	5.	0.25	0.5	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/04/97	7	40.	36.286	50.	16.	197.571	14.056	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/04/97	7	86.	82.714	131.	35.	1113.571	33.37	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	08/19/97-09/04/97	2	0.36	0.36	0.42	0.3	0.007	0.085	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/04/97	8 ##	1.5	1.75	4.	1.	1.071	1.035	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/09/92-09/04/97	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/04/97	8 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/09/92-09/04/97	8 ##	5.	4.625	8.	2.	3.125	1.768	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045 IRON, TOTAL (UG/L AS FE)	07/09/92-09/04/97	8	1370.	2389.375	7450.	592.	5866149.982	2422.014	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/09/92-09/04/97	8 ##	2.5	2.875	6.	1.	4.411	2.1	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/04/97	4	120.5	109.5	147.	50.	1789.667	42.304	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/04/97	8 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/04/97	8	22.5	24.75	47.	5.	210.5	14.509	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/04/97	4	1303.5	1861.75	4390.	450.	3160578.917	1777.802	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/04/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	3	280.	266.667	300.	220.	1733.333	41.633	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	3	2.447	2.422	2.477	2.342	0.005	0.071	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			264.383								
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/09/92-09/04/97	8	440.5	415.625	524.	238.	10151.982	100.757	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/04/97	4 ##	0.1	0.175	0.4	0.1	0.023	0.15	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0013

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	1	0.14	2	0	0.00				5	1	0.20			
00400 PH	Fresh Chronic	9.	8	0	0.00	2	0	0.00				6	0	0.00			
	Other-Lo Lim.	6.5	8	0	0.00	2	0	0.00				6	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	2	0	0.00				5	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	2	0	0.00				5	0	0.00			
	Drinking Water	250.	7	0	0.00	2	0	0.00				5	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	2	0	0.00				5	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	1	0	0.00				1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	2	0	0.00				6	0	0.00			
	Drinking Water	50.	8	0	0.00	2	0	0.00				6	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	2	0	0.00				6	0	0.00			
	Drinking Water	5.	8	0	0.00	2	0	0.00				6	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	2	0	0.00				6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	2	0	0.00				6	0	0.00			
	Drinking Water	1300.	8	0	0.00	2	0	0.00				6	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	2	0	0.00				6	0	0.00			
	Drinking Water	15.	8	0	0.00	2	0	0.00				6	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	2	0	0.00				6	0	0.00			
	Drinking Water	100.	8	0	0.00	2	0	0.00				6	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	2	0	0.00				6	0	0.00			
	Drinking Water	5000.	8	0	0.00	2	0	0.00				6	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	50.	4	0	0.00	1	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00							3	3	1.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	2.	4	0	0.00	1	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0014

NPS Station ID: HOCU0014

Location: PAINT CREEK NEAR MOUTH - U.S. RT. 23

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 31319 1110

RMI-Miles: 0953.80 0062.49 063.50 000.68

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003

RF3 Index: 05060002092000.00

Description:

PURPOSE - TO MONITOR PAINT CREEK DOWNSTREAM FROM ALL DISCHARGERS.

OF CHILLICOTHE.

PLANT.

LAT/LON: 39.301115/ -82.943059

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.11

U.S.G.S. QUADRANGLE: CHILLICOTHE EAST, OHIO

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V10S43

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 6.30

Distance from RF3: 0.10

Date Created: 04/09/94

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: HOCU0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/02/91-06/24/91	19	15.	14.842	26.	3.	77.029	8.777	5.	5.	24.	25.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/02/91-06/24/91	19	8.6	9.311	12.6	6.6	3.899	1.975	6.8	7.7	11.5	12.2
00310 BOD, 5 DAY, 20 DEG C MG/L	01/02/91-06/24/91	19	3.6	4.042	11.3	1.4	5.918	2.433	1.4	2.	5.6	6.1
00403 PH, LAB, STANDARD UNITS SU	01/02/91-06/24/91	18	8.15	8.144	8.5	7.9	0.021	0.146	7.9	8.075	8.2	8.32
00403 CONVERTED PH, LAB, STANDARD UNITS	01/02/91-06/24/91	18	8.147	8.122	8.5	7.9	0.022	0.148	7.9	8.075	8.2	8.32
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/02/91-06/24/91	18	0.007	0.008	0.013	0.003	0.	0.002	0.005	0.006	0.008	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0014

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	19	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	18	0	0.00		6	0	0.00	12	0	0.00					
	Other-Lo Lim.	6.5	18	0	0.00		6	0	0.00	12	0	0.00					

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0015

NPS Station ID: HOCU0015

Location: SCIOTO R AT CHILLICOTHE - MAIN ST/U.S. RT. 50

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 068.70

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002078

RF3 Index: 05060002020900.00

Description:
PURPOSE - OHIO EPA WQ SURVEY FOR DETERMINATION OF WASTELOAD ALLOCATION. LOCATION - SCIOTO RIVER AT CHILLICOTHE - MAIN STREET/U.S. RT. 50, UPST OF THE CHILLICOTHE SOUTH WWTP.

LAT/LON: 39.338976/ -82.943338

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 5.200

RF3 Mile Point: 0.00

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13W01

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.76

Date Created: 10/03/87

On/Off RF1: ON

On/Off RF3:

Parameter Inventory for Station: HOCU0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	09/02/87-09/02/87	1	286.	286.	286.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	09/02/87-09/02/87	1	74.7	74.7	74.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/02/87-09/02/87	1	24.3	24.3	24.3	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS Cd)	09/02/87-09/02/87	1 ##	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS Cr)	09/02/87-09/02/87	1 ##	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS Cu)	09/02/87-09/02/87	1 ##	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS Fe)	09/02/87-09/02/87	1	530.	530.	530.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS Pb)	09/02/87-09/02/87	1	3.	3.	3.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS Ni)	09/02/87-09/02/87	1 ##	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS Zn)	09/02/87-09/02/87	1 ##	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0015

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00								
		Drinking Water	5.	1	0	0.00	1	0	0.00								
		Drinking Water	100.	1	0	0.00	1	0	0.00								
01034	CHROMIUM, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00								
		Drinking Water	1300.	1	0	0.00	1	0	0.00								
		Drinking Water	82.	1	0	0.00	1	0	0.00								
01042	COPPER, TOTAL	Fresh Acute	15.	1	0	0.00	1	0	0.00								
		Drinking Water	1400.	1	0	0.00	1	0	0.00								
		Drinking Water	100.	1	0	0.00	1	0	0.00								
01051	LEAD, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00								
		Drinking Water	5000.	1	0	0.00	1	0	0.00								
		Drinking Water															

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0016

NPS Station ID: HOCU0016 LAT/LON: 39.328337/ -82.943338

Location: SCIOTO R. DST CHILLICOTHE E. WWTP - MIXING ZONE

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 068.05

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002

RF3 Index: 05060002004600.79

Description:

PURPOSE - INTENSIVE SURVEY OF THE LOWER SCIOTO RIVER BASIN.

EASTERN WWTP, IN THE MIXING ZONE.

SOUTHEAST DISTRICT OFFICE, (614) 385-8501.

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 1.64

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13S08

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 3.00

Distance from RF3: 0.05

Date Created: 12/05/92

On/Off RF1:

On/Off RF3:

LOCATION - ROSS CO.: LOCATED JUST DOWNSTREAM FROM THE CHILLICOTHE
COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING,
U.S.G.S. QUADRANGLE: CHILLICOTHE WEST, OHIO

Parameter Inventory for Station: HOCU0016

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/24/92	4	22.15	21.925	24.6	18.8	5.716	2.391	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/24/92	4	662.5	720.	1100.	455.	76350.	276.315	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/24/92	4	7.8	7.65	8.4	6.6	0.677	0.823	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/24/92	4	6.4	7.1	12.	3.6	12.44	3.527	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/09/92-09/24/92	3	34.	34.333	45.	24.	110.333	10.504	**	**	**	**
00400 PH (STANDARD UNITS)	07/09/92-09/24/92	4	7.505	7.39	7.75	6.8	0.177	0.421	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/09/92-09/24/92	4	7.49	7.22	7.75	6.8	0.215	0.464	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/24/92	4	0.032	0.06	0.158	0.018	0.004	0.066	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	4	7.4	7.425	7.7	7.2	0.049	0.222	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	07/09/92-09/24/92	4	7.389	7.385	7.7	7.2	0.051	0.226	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/24/92	4	0.041	0.041	0.063	0.02	0.	0.019	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/24/92	4	15.	16.	26.	8.	88.	9.381	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/24/92	3	2.93	5.337	11.7	1.38	30.97	5.565	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/24/92	3	4.2	5.667	10.	2.8	14.573	3.818	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-09/24/92	3	10.5	11.43	14.6	9.19	7.966	2.822	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/24/92	3	3.23	3.45	4.3	2.82	0.584	0.764	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/09/92-09/24/92	4	197.	202.	238.	176.	676.667	26.013	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/09/92-09/24/92	4	47.5	49.5	59.	44.	47.	6.856	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-09/24/92	4	19.	19.	22.	16.	6.667	2.582	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/09/92-09/24/92	4	64.5	66.75	78.	60.	68.917	8.302	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/24/92	4	77.5	81.25	98.	72.	132.917	11.529	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/24/92	4	102.	105.75	127.	92.	225.583	15.019	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/24/92	4 ##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/09/92-09/24/92	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/24/92	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/09/92-09/24/92	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	07/09/92-09/24/92	4	571.	667.	1310.	216.	230353.333	479.951	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/09/92-09/24/92	4 ##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/24/92	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/24/92	4	18.5	17.5	28.	5.	97.667	9.883	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/20/92	2 ##	112.5	112.5	220.	5.	23112.5	152.028	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0016

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/20/92	2 ##	1.521	1.521	2.342	0.699	1.35	1.162	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			33.166								
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/09/92-09/24/92	4	472.	489.	550.	462.	1678.667	40.972	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0016

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			
00400 PH	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	2	0.67	1	0	0.00				2	2	1.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	50.	4	0	0.00	1	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	5.	4	0	0.00	1	0	0.00				3	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	1300.	4	0	0.00	1	0	0.00				3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	15.	4	0	0.00	1	0	0.00				3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	5000.	4	0	0.00	1	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50							2	1	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0017

NPS Station ID: HOCU0017
 Location: PAINT CREEK UPST U.S. RT. 23 AT RM 1.2
 Station Type: /TYPA/AMBNT/STREAM/BIO
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 001.20
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003001
 RF3 Index: 05060003000100.00
 Description:

LAT/LON: 39.302781/ -82.949449

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 1.200
 RF3 Mile Point: 0.00

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V10W12
 Within Park Boundary: No

Date Created: 06/11/88

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.01

On/Off RF1: ON
 On/Off RF3:

PURPOSE - OHIO EPA WQ SURVEY FOR DETERMINATION OF WASTELOAD ALLOCATION. LOCATION - PAINT CREEK APPROX. 0.37 MI UPST OF U.S. RT. 23 AT CHILLICOTHE, 1.36 MI DST OF MEAD PAPER. COLLECTION - 1988 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQMA.
 NOTE - RIVER MILE DERIVED FROM A PHOTOREVISED MAP. BOTH PAINT CR. AND SCIOTO RIVER MILE POINTS HAVE CHANGED FROM THE ORIGINAL PEMSO MAP.

Parameter Inventory for Station: HOCU0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/97-09/25/97	5	24.6	24.48	26.3	21.8	3.607	1.899	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/23/97-10/22/97	6	871.5	847.167	1200.	421.	62176.567	249.352	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-10/22/97	6	838.	848.5	1310.	420.	79695.5	282.304	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/97-09/25/97	5	7.3	7.86	10.7	6.7	2.713	1.647	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/23/97-10/22/97	6	3.3	3.25	5.8	1.	4.495	2.12	**	**	**	**
00319 BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/23/97-10/22/97	6	30.5	38.167	80.	27.	425.367	20.624	**	**	**	**
00400 PH (STANDARD UNITS)	07/23/97-09/25/97	5	7.83	7.758	7.88	7.56	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/23/97-09/25/97	5	7.83	7.739	7.88	7.56	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/97-09/25/97	5	0.015	0.018	0.028	0.013	0.	0.006	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-10/22/97	7	229.	225.	300.	147.	1994.667	44.662	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-10/22/97	7	16.	41.714	174.	14.	3487.238	59.053	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-10/22/97	7	0.1	0.156	0.34	0.025	0.018	0.134	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-10/22/97	3 ##	0.01	0.023	0.05	0.01	0.001	0.023	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	1.96	1.96	1.96	1.96	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-10/22/97	7	0.7	0.703	1.1	0.4	0.065	0.254	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-10/22/97	7	1.35	1.249	2.01	0.39	0.408	0.639	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/23/97-10/22/97	6	0.145	0.146	0.25	0.056	0.007	0.083	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-10/22/97	6	12.5	15.433	33.	5.6	89.847	9.479	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/31/88-10/22/97	7	268.	269.	321.	214.	1363.333	36.923	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	05/31/88-10/22/97	7	64.	64.143	79.	46.	123.143	11.097	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-10/22/97	7	28.	28.143	31.	24.	5.81	2.41	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/23/97-10/22/97	6	82.	84.667	171.	11.	2592.267	50.914	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	6	6.	6.333	10.	4.	4.267	2.066	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/31/88-10/22/97	7	46.	56.143	92.	14.	779.143	27.913	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/23/97-10/22/97	6	107.5	108.	185.	34.	2314.	48.104	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	5	0.25	0.244	0.31	0.16	0.004	0.064	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/23/97-10/22/97	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/31/88-10/22/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-10/22/97	7 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/31/88-10/22/97	7 ##	1.	2.571	6.	1.	4.619	2.149	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045 IRON, TOTAL (UG/L AS FE)	07/23/97-10/22/97	6	319.	879.333	3310.	265.	1458735.467	1207.781	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/31/88-10/22/97	7 ##	1.	1.714	4.	1.	1.571	1.254	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	6	73.	96.167	263.	35.	7216.567	84.95	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/31/88-10/22/97	7 ##	20.	22.857	40.	20.	57.143	7.559	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/31/88-10/22/97	7 ##	5.	15.857	47.	5.	258.143	16.067	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	6	452.	670.333	1930.	238.	398914.267	631.597	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/23/97-10/22/97	6 ##	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	320.	320.	400.	240.	12800.	113.137	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	2.491	2.491	2.602	2.38	0.025	0.157	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			309.839								
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	05/31/88-10/22/97	7	520.	544.857	854.	256.	31137.476	176.458	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082 BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
80087 BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0017

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	2	0	0.00				3	0	0.00			
00400 PH	Fresh Chronic	9.	5	0	0.00	2	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				3	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00				1	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	3	0	0.00				4	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	250.	7	0	0.00	3	0	0.00				4	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00				3	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	3	0	0.00				3	0	0.00			
	Drinking Water	50.	6	0	0.00	3	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	5.	7	0	0.00	3	0	0.00				4	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	3	0	0.00				4	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	1300.	7	0	0.00	3	0	0.00				4	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	15.	7	0	0.00	3	0	0.00				4	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	100.	7	0	0.00	3	0	0.00				4	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	5000.	7	0	0.00	3	0	0.00				4	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	3	0	0.00				3	0	0.00			
	Drinking Water	50.	6	0	0.00	3	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00							2	2	1.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0018

NPS Station ID: HOCU0018
 Location: SCIOTO RIVER AT CHILLICOTHE OHIO OH
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190
 RMI-Miles: 0953.80 0624.60 070.40
 HUC: 05060002
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060002078
 RF3 Index: 05060002007802.73
 Description:
 LOCATED ON SCIOTO RIVER AT CHILLICOTHE OHIO DOWNSTREAM OF DISCHARGE FROM 1CHL10001. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON 304-529-5694
 CHILLICOTHE EAST OHIO QUAD.

LAT/LON: 39.343976/ -82.958116

Depth of Water: 5
 Elevation: 0

RF1 Mile Point: 5.550
 RF3 Mile Point: 3.45

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1CHLW0002
 Within Park Boundary: No

Date Created: 09/13/80

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.04

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: HOCU0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	1	726.	726.	726.	726.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	07/29/80-07/29/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/29/80-07/29/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/80-07/29/80	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/80-07/29/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/80-07/29/80	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/80-07/29/80	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/29/80-07/29/80	1	369.	369.	369.	369.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/29/80-07/29/80	1	80.2	80.2	80.2	80.2	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/29/80-07/29/80	1	40.9	40.9	40.9	40.9	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/29/80-07/29/80	1	5.87	5.87	5.87	5.87	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/29/80-07/29/80	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/29/80-07/29/80	1	196.	196.	196.	196.	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)	07/29/80-07/29/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/29/80-07/29/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	07/29/80-07/29/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	07/29/80-07/29/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/29/80-07/29/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/29/80-07/29/80	1	370.	370.	370.	370.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	07/29/80-07/29/80	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	07/29/80-07/29/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/29/80-07/29/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/29/80-07/29/80	1	2625.	2625.	2625.	2625.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/80-07/29/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71890 MERCURY, DISSOLVED (UG/L AS HG)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0018

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040 COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049 LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0019

NPS Station ID: HOCU0019

Location: SCIOTO RIVER AT CHILLCOTHE OHIO OH

Station Type: /TYPA/AMBNT/LAKE

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.60 070.40

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002078

RF3 Index: 05060002007802.73

Description:

LOCATED ON SCIOTO RIVER AT CHILLCOTHE OHIO. STATION IS AT THE DISCHARGE OF 1CHL10001. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON 304-529-5694

CHILLCOTHE EAST OHIO QUAD.

LAT/LON: 39.343976/ -82.958559

Depth of Water: 5

Elevation: 0

RF1 Mile Point: 5.550

RF3 Mile Point: 3.45

ROSS COUNTY

Agency: 11COEHUN

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): 1CHLW0004

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.01

Date Created: 09/13/80

On/Off RF1: ON

On/Off RF3:

Parameter Inventory for Station: HOCU0019

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	1	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	1	26.	26.	26.	26.	0.	0.	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	1	695.	695.	695.	695.	0.	0.	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	1	6.	6.	6.	6.	0.	0.	**	**	**
00400	PH (STANDARD UNITS)	07/29/80-07/29/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/29/80-07/29/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/80-07/29/80	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0019

			Total	Exceed	Prop.	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00						1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00						1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0020

NPS Station ID: HOCU0020
 Location: SCIOTO RIVER AT CHILLCOTHE OHIO OH
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190
 RMI-Miles: 0953.80 0624.60 070.40
 HUC: 05060002
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060002078
 RF3 Index: 05060002007600.00
 Description:

LAT/LON: 39.343503/ -82.958559

Depth of Water: 5
 Elevation: 0

RF1 Mile Point: 5.550
 RF3 Mile Point: 0.00

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1CHLW0001
 Within Park Boundary: No

Date Created: 09/13/80

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.03

On/Off RF1: ON
 On/Off RF3:

LOCATED ON BACKWATER OF SCIOTO RIVER AT CHILLCOTHE OHIO. AREA TO BE FILLED IN AT A LATER DATE. WATER COLLECTS FROM SURFACE RUNOFF AND RIVER FLOODS. WATER IS PUMPED INTO THE SCIOTO RIVER. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON 304-529-5694 CHILLOCOTHE EAST OHIO QUAD. ROSS COUNTY

Parameter Inventory for Station: HOCU0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	1	33.2	33.2	33.2	33.2	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	1	1285.	1285.	1285.	1285.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	07/29/80-07/29/80	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/29/80-07/29/80	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/80-07/29/80	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/80-07/29/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/80-07/29/80	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/80-07/29/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	07/29/80-07/29/80	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/29/80-07/29/80	1	752.	752.	752.	752.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/29/80-07/29/80	1	174.9	174.9	174.9	174.9	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/29/80-07/29/80	1	76.5	76.5	76.5	76.5	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/29/80-07/29/80	1	13.08	13.08	13.08	13.08	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/29/80-07/29/80	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/29/80-07/29/80	1	183.	183.	183.	183.	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)	07/29/80-07/29/80	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/29/80-07/29/80	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	07/29/80-07/29/80	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	07/29/80-07/29/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/29/80-07/29/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/29/80-07/29/80	1	1110.	1110.	1110.	1110.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	07/29/80-07/29/80	1	1110.	1110.	1110.	1110.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	07/29/80-07/29/80	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/29/80-07/29/80	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/29/80-07/29/80	1	716.	716.	716.	716.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/80-07/29/80	1	106.	106.	106.	106.	0.	0.	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71890 MERCURY, DISSOLVED (UG/L AS HG)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0020

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00							1	1	1.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040 COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049 LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0021

NPS Station ID: HOCU0021
 Location: SCIOTO RIVER AT CHILLCOTHE OHIO OH
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190
 RMI-Miles: 0953.80 0624.60 070.40
 HUC: 05060002
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060002078
 RF3 Index: 05060002007802.73
 Description:

LAT/LON: 39.343976/ -82.958642

Depth of Water: 5
 Elevation: 0

RF1 Mile Point: 5.550
 RF3 Mile Point: 3.45

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1CHLW0003
 Within Park Boundary: No

Date Created: 09/13/80

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.04

On/Off RF1: ON
 On/Off RF3:

LOCATED ON SCIOTO RIVER AT CHILLCOTHE OHIO UPSTREAM OF DISCHARGE FROM 1CHL10001. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON 304-529-5694
 CHILLCOTHE EAST OHIO QUAD. ROSS COUNTY

Parameter Inventory for Station: HOCU0021

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	07/29/80-07/29/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/80-07/29/80	1	24.4	24.4	24.4	24.4	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/80-07/29/80	1	522.	522.	522.	522.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/80-07/29/80	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	07/29/80-07/29/80	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/29/80-07/29/80	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/80-07/29/80	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/80-07/29/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/80-07/29/80	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/29/80-07/29/80	1	252.	252.	252.	252.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/29/80-07/29/80	1	59.7	59.7	59.7	59.7	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/29/80-07/29/80	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	07/29/80-07/29/80	1	3.35	3.35	3.35	3.35	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/29/80-07/29/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/29/80-07/29/80	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/29/80-07/29/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	07/29/80-07/29/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	07/29/80-07/29/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/29/80-07/29/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/29/80-07/29/80	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	07/29/80-07/29/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	07/29/80-07/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/29/80-07/29/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	07/29/80-07/29/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/29/80-07/29/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/29/80-07/29/80	1	2156.	2156.	2156.	2156.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0021

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/80-07/29/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71890 MERCURY, DISSOLVED (UG/L AS HG)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/29/80-07/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0021

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400 PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01040 COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01049 LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0022

NPS Station ID: HOCU0022 LAT/LON: 39.307227/ -82.960004
 Location: PAINT CRK DST MEAD PAPER CO.- S.R. 104 (RM 1.89)

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 600990
 Within Park Boundary: No

Date Created: / /

Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 001.89

HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER

Depth of Water: 0
 Elevation: 0

RF1 Index: 05060003001
 RF3 Index: 05060002008100.00

RF1 Mile Point: 1.600
 RF3 Mile Point: 0.32

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.03

On/Off RF1: ON
 On/Off RF3:

Description:
 PURPOSE - MEASURE INFLUENCE OF MEAD PAPER COMPANY'S EFFLUENT ON PAINT CREEK. MEAD'S OUTFALL IS ABOUT 1.3 MI. UPSTREAM FROM THIS STATION.
 LOCATION - ROSS CO.; ON U.S. ROUTE 23 BRIDGE ACROSS PAINT CRK.; 2C1 MI. SOUTH OF JCT. OF U.S.C ROUTES 50 AND 22.
 COLLECTION - A ROPE AND BUCKET ARE USED TO COLLECT A SAMPLE FROM THE EAST SIDE OF THE BRIDGE; BY LEATHERMAN THEN MICK (CHILICOTHE STP OPERATOR)C SAMPLE ANALYZED BY CHILICOTHE STP.

Parameter Inventory for Station: HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	473	15.	14.907	31.	0.	67.353	8.207	4.	7.	22.	25.6
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/25/97	12	710.	728.917	1200.	335.	79485.902	281.932	362.6	475.	900.	1177.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-10/22/97	12	843.5	908.167	1370.	427.	77828.515	278.978	486.4	778.25	1195.5	1346.
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	533	8.4	8.431	14.7	0.	6.985	2.643	5.	6.9	10.6	11.8
00310p BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	490	6.05	10.131	85.	0.4	146.288	12.095	2.3	3.275	11.525	21.84
00340 COD, .25N K2CR2O7 MG/L	04/20/73-10/22/97	31	60.	59.516	200.	10.	1676.391	40.944	20.	29.	77.	100.4
00400 PH (STANDARD UNITS)	04/04/73-09/25/97	26	7.83	7.782	8.3	6.7	0.09	0.3	7.437	7.7	7.925	8.052
00400 CONVERTED PH (STANDARD UNITS)	04/04/73-09/25/97	26	7.83	7.623	8.3	6.7	0.116	0.341	7.437	7.7	7.925	8.052
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/04/73-09/25/97	26	0.015	0.024	0.2	0.005	0.001	0.037	0.009	0.012	0.02	0.038
00403p PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	471	7.8	7.699	8.7	6.8	0.109	0.33	7.2	7.5	7.9	8.1
00403p CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	471	7.8	7.563	8.7	6.8	0.128	0.357	7.2	7.5	7.9	8.1
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	471	0.016	0.027	0.158	0.002	0.001	0.025	0.008	0.013	0.032	0.063
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-10/22/97	6	224.5	225.333	301.	147.	2435.467	49.35	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-10/22/97	19	33.	43.026	138.	2.5	1452.735	38.115	10.	14.	57.	130.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/78-10/22/97	28	0.065	0.168	1.97	0.01	0.135	0.367	0.025	0.025	0.18	0.356
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-10/22/97	9	0.02	0.024	0.06	0.01	0.	0.017	0.01	0.01	0.035	0.06
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	20	0.825	0.932	2.9	0.4	0.256	0.506	0.482	0.725	1.075	1.1
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	20	1.365	1.43	5.01	0.2	1.283	1.133	0.324	0.425	1.975	2.457
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/24/75-10/22/97	38	0.17	0.257	1.33	0.025	0.058	0.24	0.059	0.12	0.368	0.524
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-10/22/97	6	13.	14.933	30.	5.6	68.267	8.262	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-10/22/97	18	290.5	289.333	351.	182.	1640.	40.497	229.7	272.75	313.25	343.8
00916 CALCIUM, TOTAL (MG/L AS Ca)	10/23/79-10/22/97	19	71.	69.163	86.1	40.	140.3	11.845	53.	61.3	76.	86.
00924 MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85	1	28100.	28100.	28100.	28100.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/22/97	19	29.2	29.316	37.	20.	12.194	3.492	25.	28.	31.	34.3
00929 SODIUM, TOTAL (MG/L AS Na)	07/09/92-10/22/97	10	78.5	77.1	177.	12.	3292.767	57.383	12.3	21.	108.25	175.9
00937 POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	6	6.	6.167	10.	3.	4.967	2.229	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	09/10/86-10/22/97	11	46.	58.182	124.	15.	1349.364	36.734	15.	34.	92.	122.
00945 SULFATE, TOTAL (MG/L AS SO4)	08/28/85-10/22/97	12	105.5	122.75	280.	36.	5329.477	73.003	41.4	71.5	173.	263.8
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	5	0.24	0.238	0.3	0.15	0.004	0.065	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002 ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	16 ##	1.	2.188	7.	1.	3.763	1.94	1.	1.	3.	6.3
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/06/92-10/06/92	1	8.09	8.09	8.09	8.09	0.	0.	**	**	**	**
01008 BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/06/92-10/06/92	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/22/97	17 ##	0.1	1.929	26.	0.1	39.096	6.253	0.1	0.1	0.3	7.2
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-10/06/92	2	0.62	0.62	0.85	0.39	0.106	0.325	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-10/06/92	2	9.25	9.25	10.5	8.	3.125	1.768	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	19 ##	15.	15.789	30.	15.	11.842	3.441	15.	15.	15.	15.
01042 COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	20 ##	5.	5.8	15.	1.	19.326	4.396	1.	3.25	6.75	15.
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-10/06/92	2	14.75	14.75	16.	13.5	3.125	1.768	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	08/15/79-10/22/97	13	477.	1079.385	4160.	160.	1432666.59	1196.941	201.6	291.5	1895.	3464.
01051 LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	20 ##	1.	4.05	35.	1.	56.997	7.55	1.	1.	4.	7.8
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-10/06/92	2	32.2	32.2	40.6	23.8	141.12	11.879	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	6	56.	78.167	212.	28.	4574.167	67.633	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	20 ##	20.	26.	50.	20.	151.579	12.312	20.	20.	20.	50.
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-10/06/92	2	21.9	21.9	22.8	21.	1.62	1.273	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	22	17.5	27.091	155.	5.	1055.134	32.483	5.	5.	31.25	53.5
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-10/06/92	2	88.5	88.5	110.	67.	924.5	30.406	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	6	386.	522.667	1450.	201.	213741.467	462.322	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/24/85-10/22/97	14 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01170 IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/06/92-10/06/92	1	15600.	15600.	15600.	15600.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/27/97	4	410.	475.5	802.	280.	52801.	229.785	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/27/97	4	2.61	2.643	2.904	2.447	0.038	0.195	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			439.135								
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-11/07/89	9 ##	5.	6.111	10.	5.	4.861	2.205	5.	5.	7.5	10.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/85-10/22/97	18	533.	640.889	1320.	270.	76477.281	276.545	331.2	443.5	877.5	1026.6
71900 MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/25/97	8 ##	0.1	0.156	0.25	0.1	0.006	0.078	**	**	**	**
75049 MERCURY (HG) SEDIMENT,DRY.WT.UG/KG	10/06/92-10/06/92	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
78049 METHYLBUTANEDIOIC ACID IN WATER UG/L	10/06/92-10/06/92	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082 BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/10/86-09/10/86	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	533	35	0.07	95	11	0.12	185	1	0.01	253	23	0.09			
00400 PH	Fresh Chronic	9.	26	0	0.00	7	0	0.00	2	0	0.00	17	0	0.00			
	Other-Lo Lim.	6.5	26	0	0.00	7	0	0.00	2	0	0.00	17	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	471	0	0.00	81	0	0.00	162	0	0.00	228	0	0.00			
	Other-Lo Lim.	6.5	471	0	0.00	81	0	0.00	162	0	0.00	228	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	6	0	0.00				3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	20	0	0.00	10	0	0.00				10	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	5	0	0.00				6	0	0.00			
	Drinking Water	250.	11	0	0.00	5	0	0.00				6	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	1	0.08	4	0	0.00	1	0	0.00	7	1	0.14			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	7	0	0.00				9	0	0.00			
	Drinking Water	50.	16	0	0.00	7	0	0.00				9	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	17	1	0.06	7	1	0.14	1	0	0.00	9	0	0.00			
	Drinking Water	5.	17	1	0.06	7	1	0.14	1	0	0.00	9	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	19	0	0.00	9	0	0.00				10	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	20	0	0.00	9	0	0.00	1	0	0.00	10	0	0.00			
	Drinking Water	1300.	20	0	0.00	9	0	0.00	1	0	0.00	10	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	20	0	0.00	9	0	0.00	1	0	0.00	10	0	0.00			
	Drinking Water	15.	20	1	0.05	9	0	0.00	1	0	0.00	10	1	0.10			
01067 NICKEL, TOTAL	Fresh Acute	1400.	20	0	0.00	9	0	0.00	1	0	0.00	10	0	0.00			
	Drinking Water	100.	20	0	0.00	9	0	0.00	1	0	0.00	10	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	22	1	0.05	9	0	0.00	3	1	0.33	10	0	0.00			
	Drinking Water	5000.	22	0	0.00	9	0	0.00	3	0	0.00	10	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

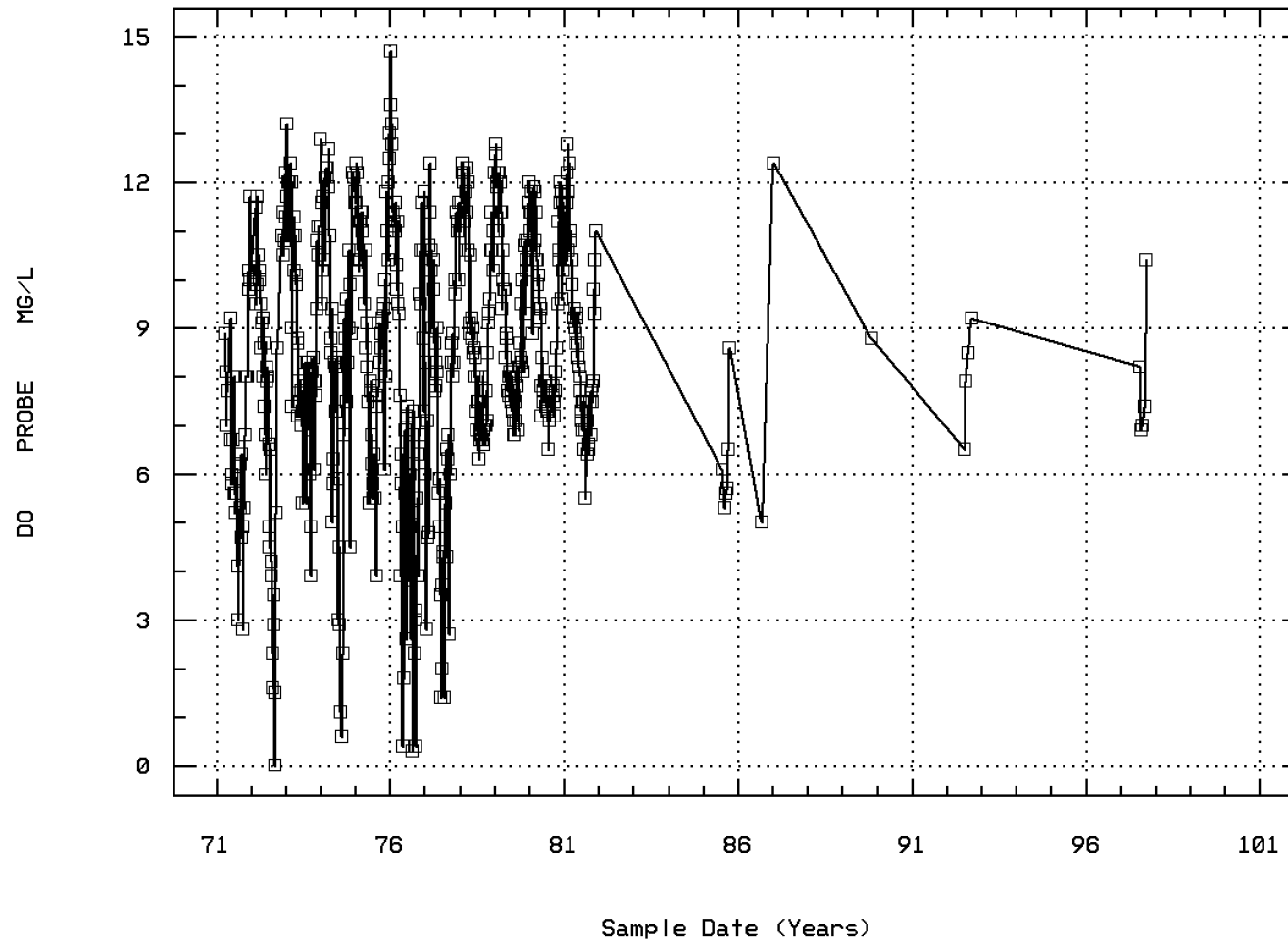
EPA Water Quality Criteria Analysis for Station: HOCU0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
01147	SELENIUM, TOTAL					Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Fresh Acute	20.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
	Drinking Water	50.	14	0	0.00	6	0	0.00	2	0	0.00	6	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH																
	Other-Hi Lim.	200.	4	4	1.00							4	4	1.00			
71900	MERCURY, TOTAL																
	Fresh Acute	2.4	8	0	0.00	4	0	0.00				4	0	0.00			
	Drinking Water	2.	8	0	0.00	4	0	0.00				4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: HOCU0022 Parameter Code: 00299

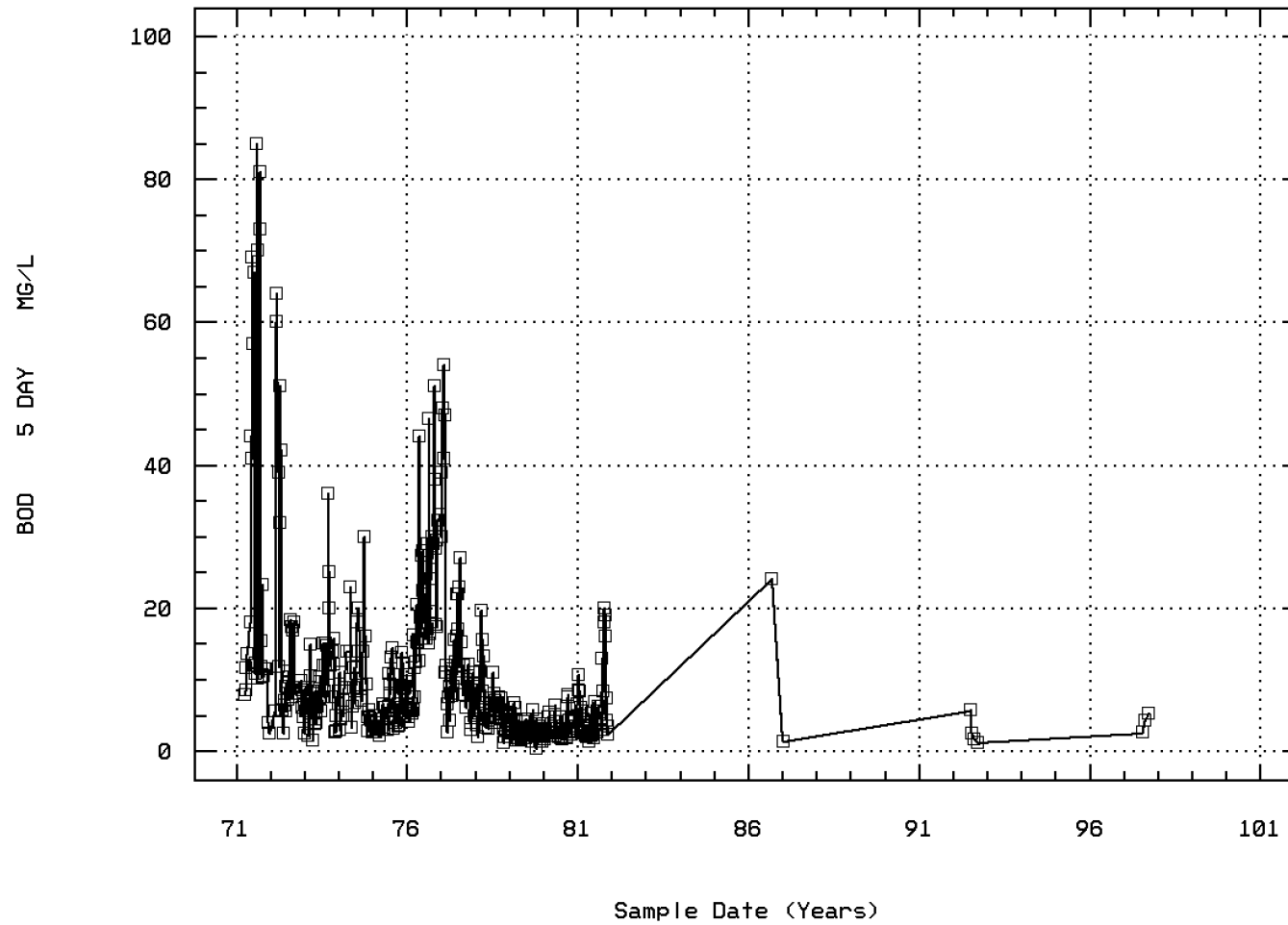
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Station: HOCU0022 Parameter Code: 00310

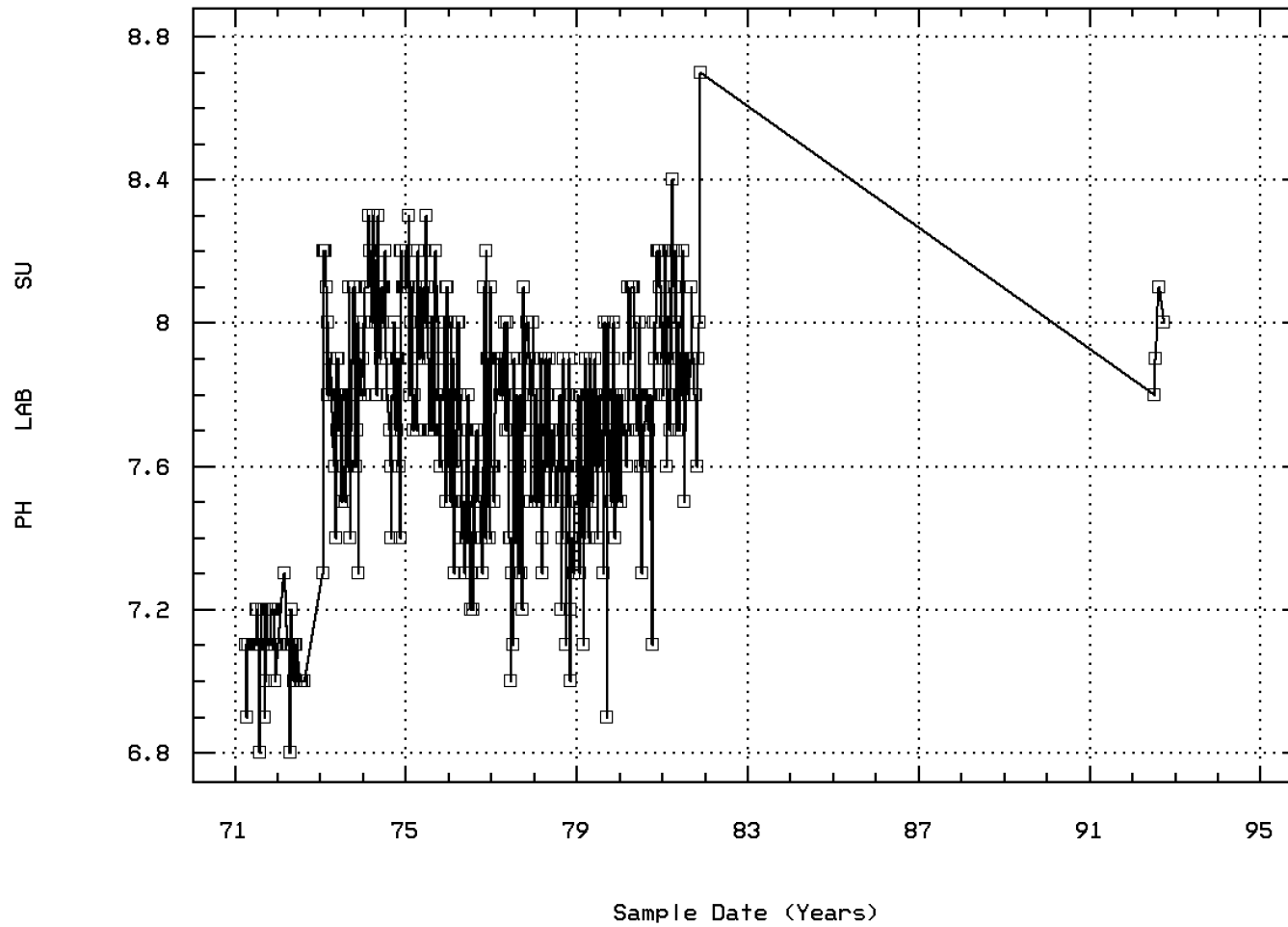
BOD, 5 DAY, 20 DEG C



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Station: HOCU0022 Parameter Code: 00403

PH, LAB, STANDARD UNITS



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Annual Analysis for 1971 - Station HOCU0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	31	20.	18.181	22.	5.6	17.492	4.182	11.4	16.	21.	22.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	34	6.7	6.859	11.7	2.8	4.126	2.031	4.4	5.525	8.	9.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	32	11.85	26.338	85.	2.4	683.768	26.149	5.17	10.575	43.25	72.1
00403p	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	32	7.1	7.097	7.2	6.8	0.011	0.103	6.9	7.1	7.2	7.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	32	7.1	7.084	7.2	6.8	0.011	0.104	6.9	7.1	7.2	7.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	32	0.079	0.082	0.158	0.063	0.001	0.023	0.063	0.063	0.079	0.126

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	18	5.75	5.411	11.	0.	9.409	3.067	0.99	2.8	7.625	10.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	38	8.1	7.439	12.2	0.	10.533	3.245	2.23	4.8	10.05	11.41
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	34	8.85	15.632	64.	2.4	271.162	16.467	3.6	6.025	17.475	46.5
00403p	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	17	7.1	7.065	7.3	6.8	0.011	0.106	6.96	7.	7.1	7.22
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	17	7.1	7.052	7.3	6.8	0.011	0.106	6.96	7.	7.1	7.22
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	17	0.079	0.089	0.158	0.05	0.001	0.023	0.061	0.079	0.1	0.112

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	45	14.	14.787	26.7	0.5	63.648	7.978	4.	7.4	21.3	25.76
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	50	8.3	8.844	13.2	3.9	4.715	2.171	6.01	7.475	10.9	11.97
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	48	7.55	9.185	36.	1.5	37.673	6.138	3.61	5.5	12.	15.08
00403p	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	43	7.8	7.798	8.2	7.3	0.058	0.241	7.44	7.6	8.	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	43	7.8	7.732	8.2	7.3	0.062	0.25	7.44	7.6	8.	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	43	0.016	0.019	0.05	0.006	0.	0.011	0.008	0.01	0.025	0.037

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	29	13	14.014	27	3.3	61.176	7.822	4.4	7.05	21.1	26
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	46	8.95	8.537	12.9	0.6	10.914	3.304	2.97	6.2	11.625	12.23
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	33	8.8	9.779	30	2.6	40.212	6.341	3.12	4.8	14	19.2
00403p	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	40	8	7.955	8.3	7.4	0.052	0.228	7.61	7.8	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	40	8	7.891	8.3	7.4	0.056	0.237	7.61	7.8	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	40	0.01	0.013	0.04	0.005	0	0.008	0.006	0.008	0.016	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	39	15.	14.436	28.	2.	66.54	8.157	3.3	6.	22.2	26.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	48	9.1	9.073	13.	3.9	4.934	2.221	5.77	7.6	11.	12.02
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	45	5.5	6.284	14.4	2.2	11.158	3.34	2.9	3.4	8.85	11.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	45	8.	7.942	8.3	7.5	0.041	0.203	7.7	7.8	8.1	8.2
00403p CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	45	8.	7.895	8.3	7.5	0.043	0.208	7.7	7.8	8.1	8.2
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	45	0.01	0.013	0.032	0.005	0.	0.006	0.006	0.008	0.016	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	51	16.	15.48	30.	0.	72.87	8.536	3.2	7.	23.	26.
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	51	7.2	7.367	14.7	0.3	13.89	3.727	2.36	4.9	10.6	11.76
00310p BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	48	17.25	19.7	51.	4.1	129.54	11.382	5.59	11.9	28.225	33.5
00403p PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	50	7.55	7.608	8.2	7.2	0.063	0.251	7.3	7.4	7.8	8.
00403p CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	50	7.547	7.544	8.2	7.2	0.067	0.26	7.3	7.4	7.8	8.
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	50	0.028	0.029	0.063	0.006	0.	0.015	0.01	0.016	0.04	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	48	15.5	16.521	31.	0.	69.617	8.344	5.8	10.	24.	28.
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	49	8.	7.347	12.4	1.4	8.693	2.948	2.8	4.85	9.9	11.2
00310p BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	43	11.	15.547	54.	2.7	161.879	12.723	4.52	8.	17.	40.2
00403p PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	45	7.8	7.693	8.1	7.	0.074	0.273	7.3	7.5	7.9	8.
00403p CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	45	7.8	7.598	8.1	7.	0.083	0.289	7.3	7.5	7.9	8.
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	45	0.016	0.025	0.1	0.008	0.	0.02	0.01	0.013	0.032	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	50	14.	14.53	29.	0.5	85.514	9.247	2.	5.5	23.5	26.
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	50	8.95	9.18	12.4	6.3	3.702	1.924	6.81	7.45	11.	12.
00310p BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	49	5.6	6.327	19.7	1.1	10.928	3.306	3.1	4.6	7.35	11.
00403p PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	50	7.6	7.574	7.9	7.	0.042	0.206	7.3	7.5	7.7	7.89
00403p CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	50	7.6	7.522	7.9	7.	0.045	0.212	7.3	7.5	7.7	7.89
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	50	0.025	0.03	0.1	0.013	0.	0.017	0.013	0.02	0.032	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	52	15.5	14.221	27.	1.	64.269	8.017	2.	6.25	21.	24.
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	53	8.8	9.345	12.8	6.8	3.167	1.78	7.18	7.9	10.8	12.12
00310p BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	53	2.6	2.868	6.7	0.4	1.499	1.224	1.5	2.1	3.35	4.4
00403p PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	53	7.7	7.651	8.	6.9	0.049	0.221	7.4	7.5	7.8	7.9
00403p CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	53	7.7	7.585	8.	6.9	0.053	0.23	7.4	7.5	7.8	7.9
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	53	0.02	0.026	0.126	0.01	0.	0.019	0.013	0.016	0.032	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	48	11.	13.104	26.	2.	68.223	8.26	2.9	5.	21.75	24.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	49	9.5	9.469	12.	6.5	3.043	1.745	7.3	7.7	11.3	11.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	48	2.75	3.392	7.9	1.6	2.386	1.545	1.89	2.225	4.45	5.5
00403p	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	46	7.8	7.843	8.2	7.1	0.055	0.233	7.6	7.7	8.	8.13
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	46	7.8	7.773	8.2	7.1	0.06	0.244	7.6	7.7	8.	8.13
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	46	0.016	0.017	0.079	0.006	0.	0.012	0.007	0.01	0.02	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	44	16	15.364	28	1	61.074	7.815	4	8	22.75	25
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	47	8.7	8.881	12.8	5.5	3.382	1.839	6.58	7.5	10.4	11.64
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	45	4	5.624	20	1.4	22.185	4.71	2.2	2.3	6.55	14.2
00403p	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	46	7.9	7.928	8.7	7.5	0.043	0.208	7.7	7.8	8	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	46	7.9	7.886	8.7	7.5	0.045	0.213	7.7	7.8	8	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	46	0.013	0.013	0.032	0.002	0	0.006	0.006	0.01	0.016	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station HOCU0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	6	25.	24.083	29.	16.	19.042	4.364	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	6	5.9	6.3	8.6	5.3	1.444	1.202	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	1	25.9	25.9	25.9	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	1	5.	5.	5.	0.	0.	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	1	24.	24.	24.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	1	5.9	5.9	5.9	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	1	12.4	12.4	12.4	0.	0.	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	1	1.4	1.4	1.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	1	16.2	16.2	16.2	16.2	0.	0.	**	**	**	**
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	4	21.9	21.875	27.4	16.3	20.702	4.55	**	**	**	**
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	4	8.2	8.025	9.2	6.5	1.316	1.147	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	4	2.1	2.775	5.7	1.2	4.089	2.022	**	**	**	**
00403p PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	4	7.95	7.95	8.1	7.8	0.017	0.129	**	**	**	**
00403p CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	4	7.947	7.936	8.1	7.8	0.017	0.13	**	**	**	**
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	4	0.011	0.012	0.016	0.008	0.	0.003	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

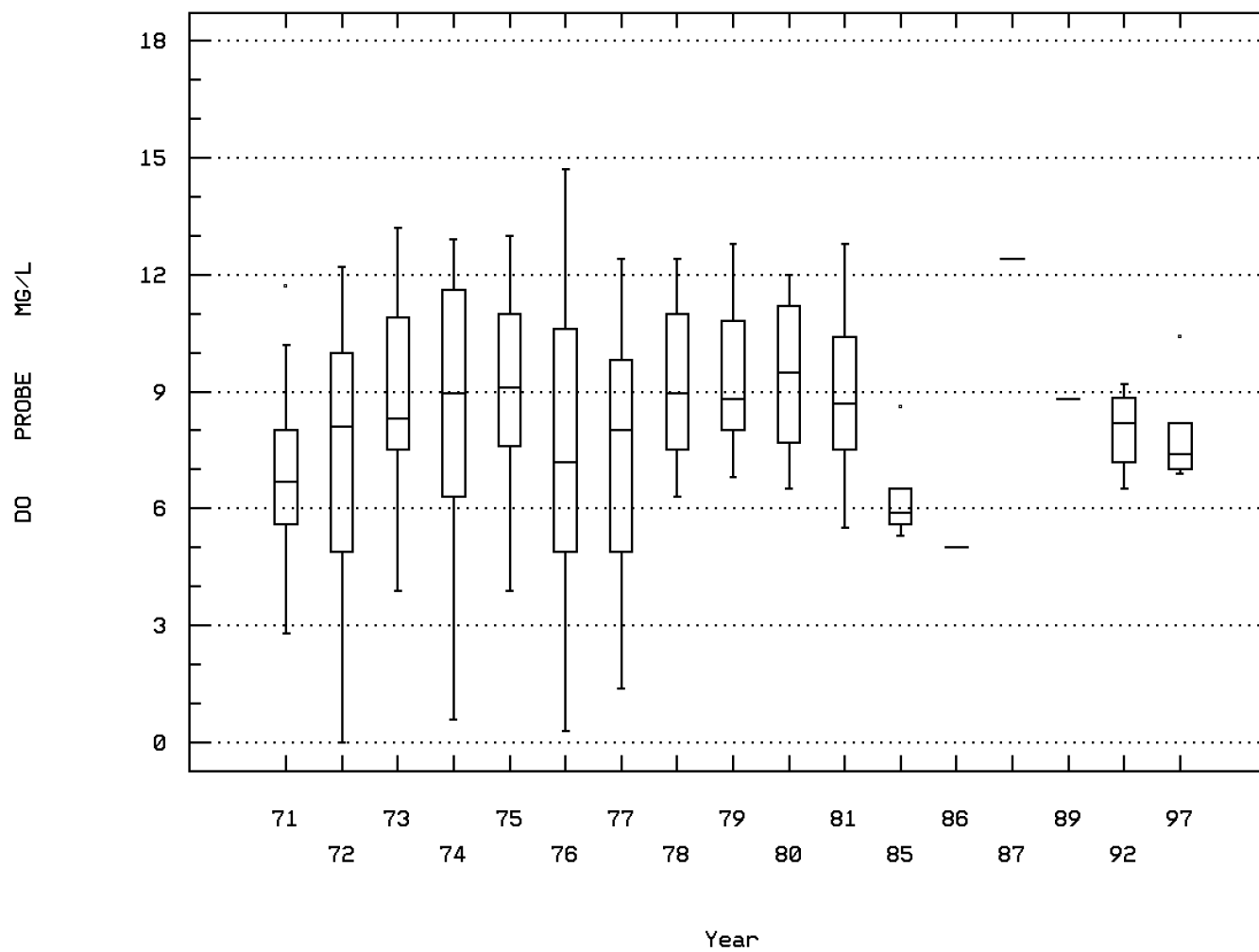
Annual Analysis for 1997 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	5	24.4	24.38	26.3	21.9	3.157	1.777	**	**	**	**
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	5	7.4	7.98	10.4	6.9	2.092	1.446	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	6 ##	1.85	2.533	5.3	1.	3.503	1.872	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0022 Parameter Code: 00299

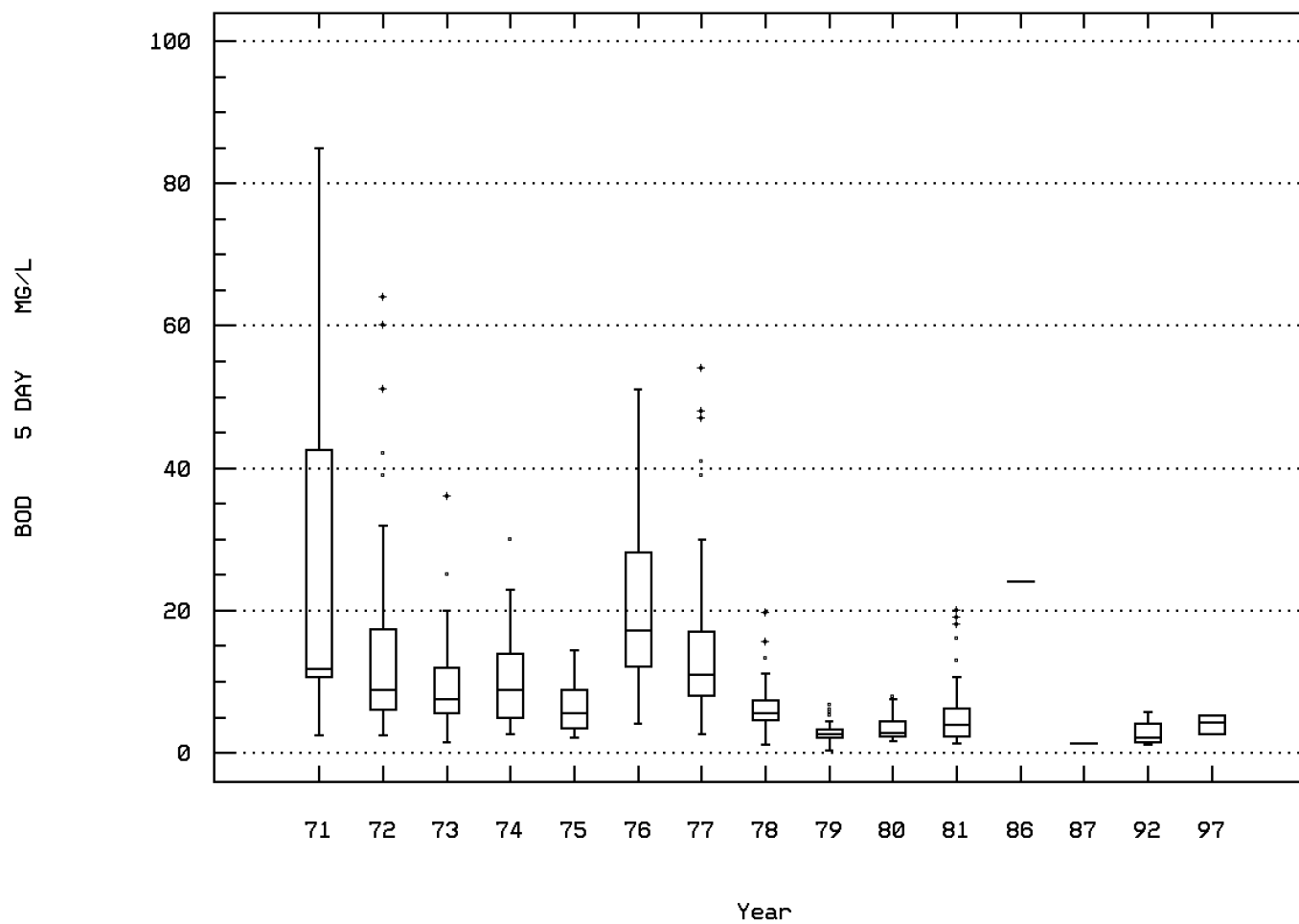
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Station: HOCU0022 Parameter Code: 00310

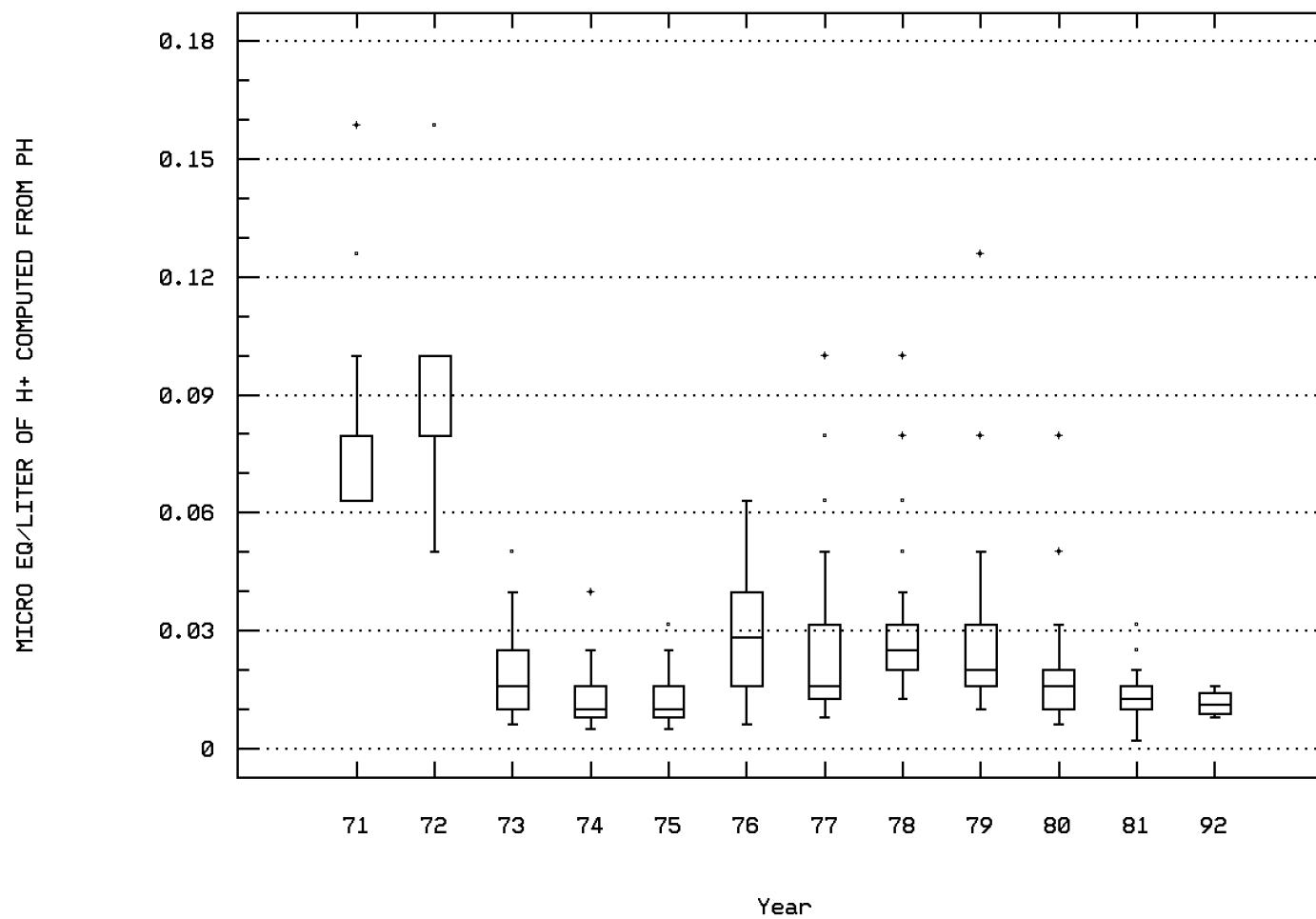
BOD, 5 DAY, 20 DEG C



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Station: HOCU0022 Parameter Code: 00403

MICRO EQ/LITER OF H+ COMPUTED FROM PH



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	86	20.	19.714	28.	11.	16.798	4.099	14.	16.225	23.35	24.58
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	95	7.5	7.048	11.2	0.	4.723	2.173	3.74	6.2	8.6	9.28
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	83	7.9	12.667	81.	0.4	202.244	14.221	2.1	3.8	16.9	29.
00340p	COD, .25N K2CR2O7 MG/L	04/20/73-10/22/97	9	77.	63.556	103.	17.	893.278	29.888	17.	32.5	85.	103.
00403	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	81	7.7	7.669	8.2	6.9	0.096	0.311	7.12	7.5	7.9	8.08
00403	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	81	7.7	7.545	8.2	6.9	0.112	0.335	7.12	7.5	7.9	8.08
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	81	0.02	0.028	0.126	0.006	0.001	0.026	0.008	0.013	0.032	0.076
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/78-10/22/97	10	0.055	0.076	0.22	0.01	0.005	0.072	0.012	0.025	0.115	0.217
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	10	0.8	0.965	2.9	0.4	0.501	0.708	0.41	0.65	0.95	2.72
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	10	0.555	0.918	2.24	0.2	0.544	0.738	0.212	0.35	1.515	2.214
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/24/75-10/22/97	11	0.18	0.363	1.33	0.025	0.149	0.386	0.032	0.07	0.52	1.194
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	9 ##	15.	16.667	30.	15.	25.	5.	15.	15.	15.	30.
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	9 ##	4.	5.778	15.	1.	31.444	5.608	1.	1.	11.	15.
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	9 ##	1.	2.667	8.	1.	7.25	2.693	1.	1.	5.	8.
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	9 ##	20.	30.	50.	20.	225.	15.	20.	20.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	9 ##	5.	17.222	55.	5.	313.194	17.697	5.	5.	30.	55.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	171	6.	7.015	20.	0.	21.505	4.637	2.	4.	9.	13.78
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	185	11.	10.612	14.7	2.8	3.168	1.78	8.	9.95	11.8	12.3
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	172	5.25	8.474	64.	1.1	108.119	10.398	2.4	3.2	8.8	15.53
00340p	COD, .25N K2CR2O7 MG/L	04/20/73-10/22/97	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	162	7.8	7.769	8.7	7.	0.097	0.311	7.3	7.6	8.	8.17
00403	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	162	7.8	7.652	8.7	7.	0.111	0.333	7.3	7.6	8.	8.17
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	162	0.016	0.022	0.1	0.002	0.	0.018	0.007	0.01	0.025	0.05
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/78-10/22/97	6	0.11	0.398	1.97	0.025	0.595	0.772	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/24/75-10/22/97	8	0.125	0.141	0.3	0.025	0.008	0.087	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	3	35.	70.	155.	20.	5475.	73.993	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/71-09/25/97	216	21.	19.242	31.	0.	46.554	6.823	9.	14.	25.	27.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/06/71-09/25/97	253	7.6	7.355	12.7	0.3	5.297	2.301	4.24	6.15	8.8	10.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	04/06/71-10/22/97	235	6.6	10.449	85.	1.	151.42	12.305	2.26	3.3	12.	21.04
00340p	COD, .25N K2CR2O7 MG/L	04/20/73-10/22/97	21	40.	57.619	200.	10.	2145.548	46.32	20.	26.5	70.5	146.
00403	PH, LAB, STANDARD UNITS SU	04/06/71-09/24/92	228	7.7	7.66	8.4	6.8	0.118	0.343	7.1	7.425	7.9	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	04/06/71-09/24/92	228	7.7	7.514	8.4	6.8	0.139	0.373	7.1	7.425	7.9	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/71-09/24/92	228	0.02	0.031	0.158	0.004	0.001	0.029	0.008	0.013	0.038	0.079
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/78-10/22/97	12	0.075	0.13	0.41	0.02	0.018	0.134	0.022	0.025	0.2	0.392
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	10	0.9	0.898	1.1	0.48	0.037	0.193	0.512	0.8	1.1	1.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	10	1.73	1.942	5.01	0.42	1.582	1.258	0.453	1.215	2.438	4.755
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/24/75-10/22/97	19	0.2	0.245	0.56	0.09	0.019	0.14	0.1	0.129	0.36	0.44
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	10 ##	5.	5.9	15.	1.	12.767	3.573	1.3	4.75	6.25	14.2
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	10	3.	5.6	35.	1.	108.267	10.405	1.	1.	4.	31.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

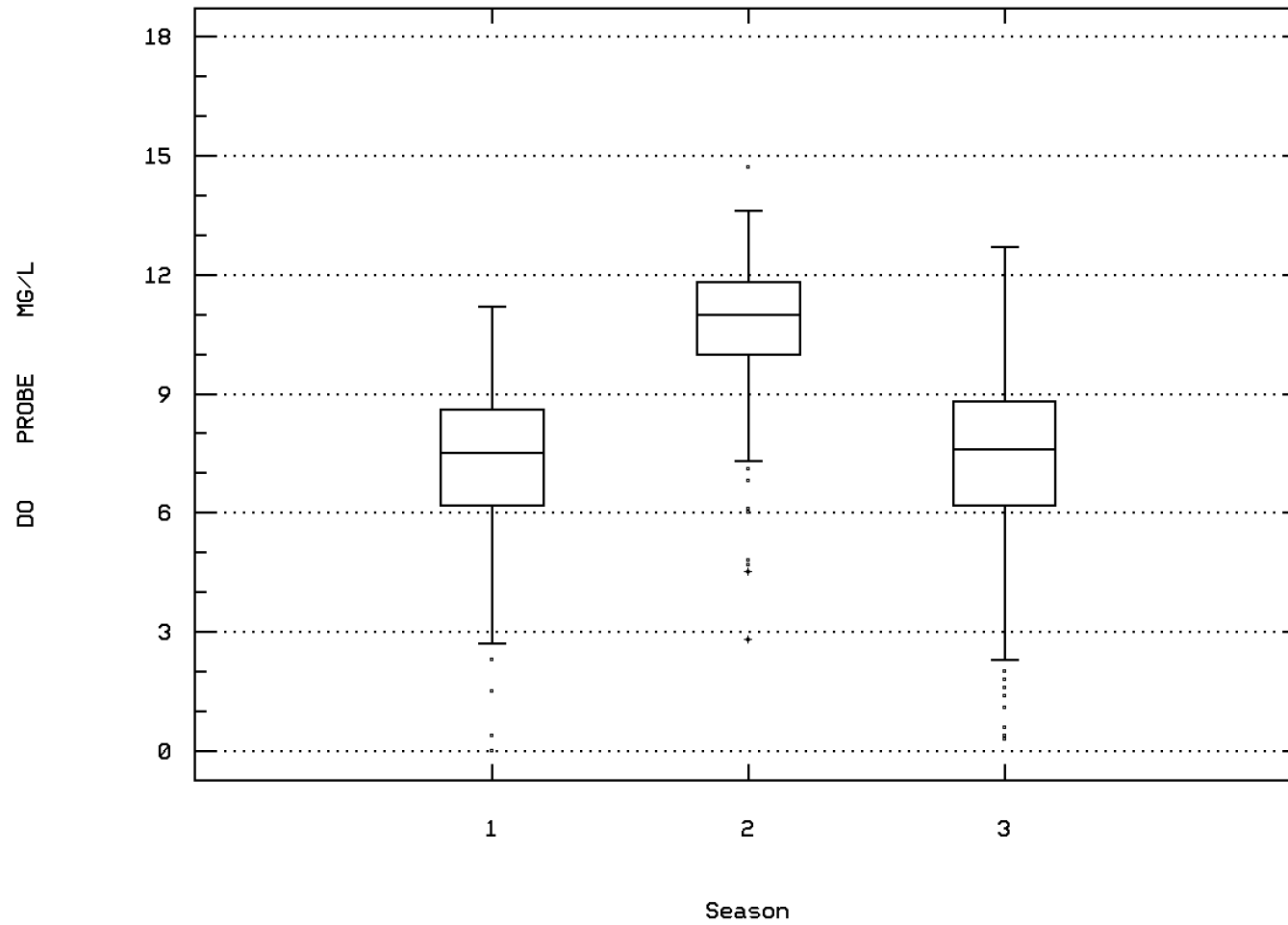
Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	10 ##	20.	23.	50.	20.	90.	9.487	20.	20.	20.	47.
01092 ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	10	18.	23.1	50.	5.	238.1	15.43	5.6	11.75	33.75	49.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0022 Parameter Code: 00299

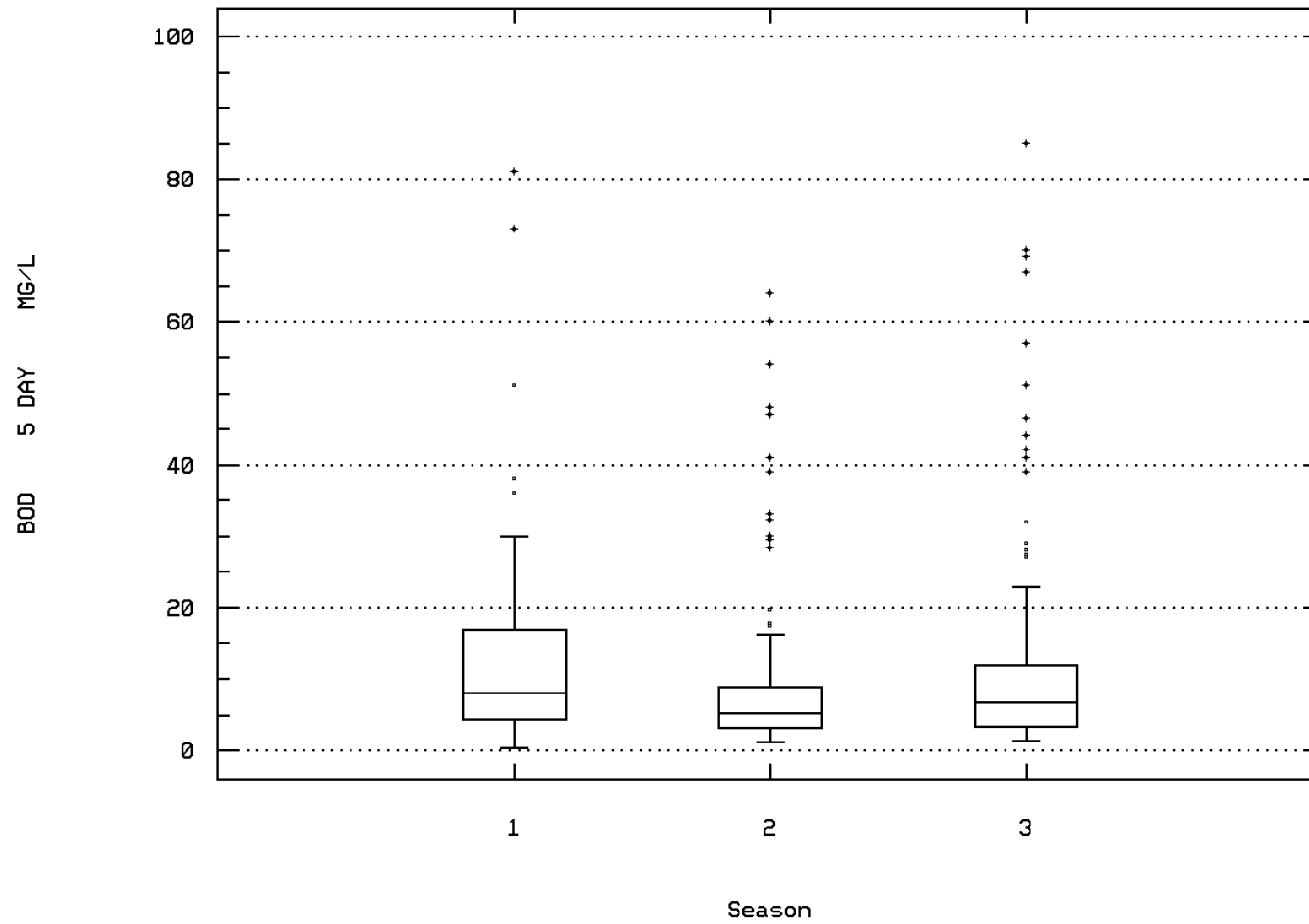
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Station: HOCU0022 Parameter Code: 00310

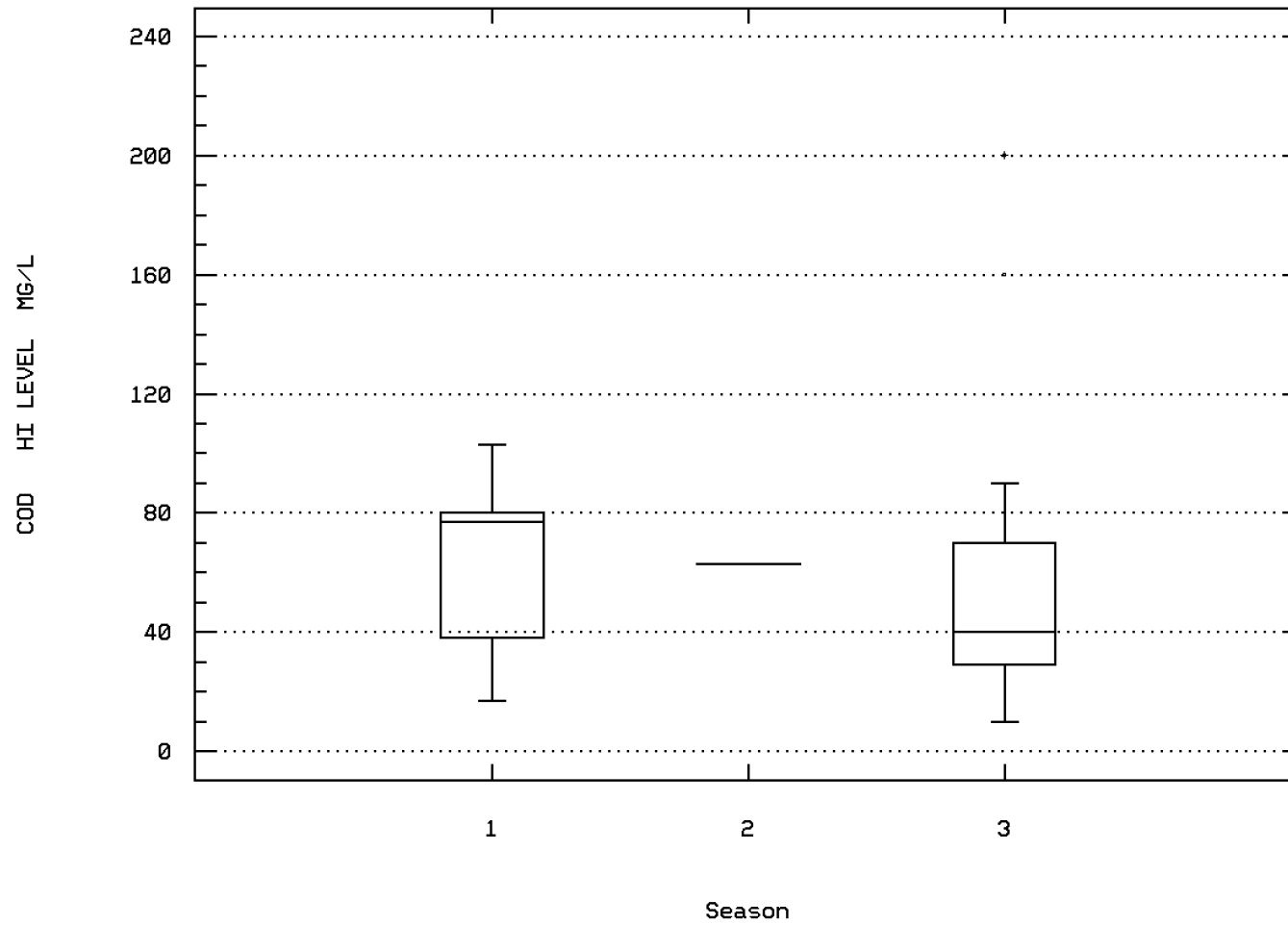
BOD, 5 DAY, 20 DEG C



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Station: HOCU0022 Parameter Code: 00340

COD, .25N K2CR207



PAINT CRK DST MEAD PAPER CO.- S.R. 104

Station Inventory for Station: HOCU0023

NPS Station ID: HOCU0023
 Location: PAINT CREEK DST MEAD PAPER
 Station Type: /TYPA/AMBNT/STREAM/BIO
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 002.30
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060003046600.00
 Description:

LAT/LON: 39.310281/ -82.966115

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.83

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V10S40
 Within Park Boundary: No

Date Created: 12/05/92

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.31

On/Off RF1:
 On/Off RF3:

PURPOSE - INTENSIVE SURVEY OF THE LOWER PAINT CREEK BASIN. LOCATION - ROSS CO.; LOCATED APPROXIMATELY 0.2 MILES DOWNSTREAM
 FROM THE MEAD PAPER CO. 001 OUTFALL. COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING,
 SOUTHEAST DISTRICT OFFICE, (614) 385-8501. U.S.G.S. QUADRANGLE: CHILLICOTHE EAST, OHIO

Parameter Inventory for Station: HOCU0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/24/92	4	21.75	21.7	27.9	15.4	26.087	5.108	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/24/92	4	617.5	780.	1460.	425.	221450.	470.585	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/24/92	4	8.	7.85	8.4	7.	0.357	0.597	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/24/92	4	1.75	2.4	5.6	0.5	4.913	2.217	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/09/92-09/24/92	4	21.	33.	75.	15.	808.667	28.437	**	**	**	**
00400 PH (STANDARD UNITS)	07/09/92-09/24/92	4	8.07	8.11	8.37	7.93	0.035	0.187	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/09/92-09/24/92	4	8.069	8.083	8.37	7.93	0.036	0.19	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/24/92	4	0.009	0.008	0.012	0.004	0.	0.003	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	4	7.75	7.775	7.9	7.7	0.009	0.096	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	07/09/92-09/24/92	4	7.747	7.767	7.9	7.7	0.009	0.096	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/24/92	4	0.018	0.017	0.02	0.013	0.	0.004	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/24/92	4	20.	35.5	94.	8.	1553.	39.408	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/24/92	4 ##	0.038	0.065	0.16	0.025	0.004	0.064	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/24/92	4	0.5	0.55	0.9	0.3	0.07	0.265	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-09/24/92	3	2.18	1.843	2.26	1.09	0.427	0.654	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/24/92	4	0.095	0.145	0.34	0.05	0.018	0.132	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/09/92-09/24/92	4	290.5	290.5	308.	273.	252.333	15.885	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/09/92-09/24/92	4	66.	67.75	74.	65.	18.25	4.272	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-09/24/92	4	29.5	29.5	32.	27.	4.333	2.082	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/09/92-09/24/92	4	44.5	71.75	186.	12.	6316.25	79.475	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/24/92	4	45.5	57.	122.	15.	2188.667	46.783	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/24/92	4	91.	159.	397.	57.	26032.	161.344	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/24/92	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/06/92-10/06/92	1	8.23	8.23	8.23	8.23	0.	0.	**	**	**	**
01008 BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/06/92-10/06/92	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS Cd)	07/09/92-09/24/92	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/06/92-10/06/92	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/06/92-10/06/92	1	13.3	13.3	13.3	13.3	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/24/92	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	07/09/92-09/24/92	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/06/92-10/06/92	1	13.4	13.4	13.4	13.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045 IRON, TOTAL (UG/L AS FE)	07/09/92-09/24/92	4	500.	1248.25	3600.	393.	2461371.583	1568.876	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	07/09/92-09/24/92	4 ##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/06/92-10/06/92	1	23.8	23.8	23.8	23.8	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/24/92	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/06/92-10/06/92	1	19.7	19.7	19.7	19.7	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/24/92	4	39.	35.75	60.	5.	550.917	23.472	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/06/92-10/06/92	1	76.8	76.8	76.8	76.8	0.	0.	**	**	**	**
01170 IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/06/92-10/06/92	1	16300.	16300.	16300.	16300.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/20/92	2	661.	661.	802.	520.	39762.	199.404	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/20/92	2	2.81	2.81	2.904	2.716	0.018	0.133	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			645.786								
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/24/92	4	443.	543.	954.	332.	79286.667	281.579	**	**	**	**
75049 MERCURY (HG) SEDIMENT,DRY,WT,UG/KG	10/06/92-10/06/92	1	0.052	0.052	0.052	0.052	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0023

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			
00400 PH	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	1	0.25	1	0	0.00				3	1	0.33			
01002 ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	50.	4	0	0.00	1	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	5.	4	0	0.00	1	0	0.00				3	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	1300.	4	0	0.00	1	0	0.00				3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	15.	4	0	0.00	1	0	0.00				3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	5000.	4	0	0.00	1	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00							2	2	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0024

NPS Station ID: HOCU0024
 Location: RO-3 MEAD CORP AT CHILLICOTHE OH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060002
 Major Basin: U
 Minor Basin:
 RF1 Index: 05060002
 RF3 Index: 05060003002502.10
 Description:

LAT/LON: 39.322781/ -82.966670

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 2.67

Agency: 112WRD
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 391922082580000
 Within Park Boundary: No

Date Created: 07/18/78

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.03

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0024

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/17/78-05/17/78	1	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/17/78-05/17/78	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/17/78-05/17/78	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/17/78-05/17/78	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/17/78-05/17/78	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	05/17/78-05/17/78	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/17/78-05/17/78	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	05/17/78-05/17/78	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	05/17/78-05/17/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00600 NITROGEN, TOTAL (MG/L AS N)	05/17/78-05/17/78	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/17/78-05/17/78	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/17/78-05/17/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/17/78-05/17/78	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	05/17/78-05/17/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/17/78-05/17/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/17/78-05/17/78	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/17/78-05/17/78	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	05/17/78-05/17/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	05/17/78-05/17/78	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/17/78-05/17/78	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS Na)	05/17/78-05/17/78	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	05/17/78-05/17/78	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	05/17/78-05/17/78	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/17/78-05/17/78	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/17/78-05/17/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/17/78-05/17/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/17/78-05/17/78	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO2)	05/17/78-05/17/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	05/17/78-05/17/78	1	260.	260.	260.	260.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	05/17/78-05/17/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	05/17/78-05/17/78	1	80.	80.	80.	80.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/17/78-05/17/78	1	82.	82.	82.	82.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/17/78-05/17/78	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
70507 PHOSPHORUS IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/17/78-05/17/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71875 HYDROGEN SULFIDE (MG/L)	05/17/78-05/17/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71887 NITROGEN, TOTAL, AS NO3 - MG/L	05/17/78-05/17/78	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0025

NPS Station ID: HOCU0025 LAT/LON: 39.312865/ -82.966892
 Location: PAINT CREEK UPST MEAD PAPER - CHILLICOTHE (2.56)
 Station Type: /TYPA/AMBNT/STREAM/BIO
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 002.56
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003001 RF1 Mile Point: 2.560
 RF3 Index: 05060002007802.73 RF3 Mile Point: 3.78

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V10W10
 Within Park Boundary: No

Date Created: 06/11/88

Description:
 PURPOSE - OHIO EPA WQ SURVEY FOR DETERMINATION OF WASTELOAD ALLOCATION. LOCATION - PAINT CREEK JUST UPST OF MEAD PAPER OUTFALL AT CHILLICOTHE
 COLLECTION - 1988 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQMA. NOTE - RIVER MILE DERIVED FROM A PHOTOREVISED MAP. BOTH PAINT CR. AND
 SCIOTO RIVER MILE POINTS HAVE CHANGED FROM THE ORIGINAL PEMSO MAP.

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 1.70
 Distance from RF3: 0.01

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: HOCU0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	2.47	2.47	2.47	2.47	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	1	313.	313.	313.	313.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	05/31/88-05/31/88	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-05/31/88	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/31/88-05/31/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-05/31/88	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/31/88-05/31/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/31/88-05/31/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/31/88-05/31/88	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/31/88-05/31/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	05/31/88-05/31/88	1	392.	392.	392.	392.	0.	0.	**	**	**	**
80082 BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
80087 BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
80088 BOD, CARBONACEOUS, 30 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0025

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0025

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00620	NITRATE NITROGEN, TOTAL AS N	10.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	3.9	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	18.	1	0	0.00							1	0	0.00			
	Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	82.	1	0	0.00							1	0	0.00			
	Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0026

NPS Station ID: HOCU0026 LAT/LON: 39.311670/ -82.967921
 Location: PAINT CREEK DST MEAD PAPER - CHILLICOTHE (2.45)

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V10W11
 Within Park Boundary: No

Date Created: 06/11/88

Station Type: /TYPA/AMBNT/STREAM/BIO
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 002.45

HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER

Depth of Water: 0
 Elevation: 0

RF1 Index: 05060003001
 RF3 Index: 05060003000100.00

RF1 Mile Point: 2.450
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: ON
 On/Off RF3:

Description:
 PURPOSE - OHIO EPA WQ SURVEY FOR DETERMINATION OF WASTELOAD ALLOCATION. LOCATION - PAINT CREEK APPROX. 0.1 MI DST OF THE MEAD PAPER OUTFALL AT CHILLICOTHE, IN A STREAM BEND ADJACENT TO COOKS HILL ROAD. COLLECTION - 1988 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQMA.
 NOTE - RIVER MILE DERIVED FROM A PHOTOREVISED MAP. BOTH PAINT CR. AND SCIOTO RIVER MILE POINTS HAVE CHANGED FROM THE ORIGINAL PEMSO MAP.

Parameter Inventory for Station: HOCU0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00319 BOD, ULTIMATE ALL STAGES, 20 DEG C MG/L	05/31/88-05/31/88	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	1	244.	244.	244.	244.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/88-05/31/88	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/31/88-05/31/88	1	1.97	1.97	1.97	1.97	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/88-05/31/88	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/88-05/31/88	1	2.02	2.02	2.02	2.02	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/31/88-05/31/88	1	346.	346.	346.	346.	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	05/31/88-05/31/88	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	05/31/88-05/31/88	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/31/88-05/31/88	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/31/88-05/31/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/31/88-05/31/88	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/31/88-05/31/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/31/88-05/31/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/31/88-05/31/88	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/31/88-05/31/88	1	15.	15.	15.	15.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	05/31/88-05/31/88	1	616.	616.	616.	616.	0.	0.	**	**	**	**
80082 BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
80087 BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/88-05/31/88	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0026

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00						1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00						1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00						1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00						1	0	0.00			
		Drinking Water	250.	1	0	0.00						1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
		Drinking Water	5.	1	0	0.00						1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00						1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00						1	0	0.00			
		Drinking Water	1300.	1	0	0.00						1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00						1	0	0.00			
		Drinking Water	15.	1	0	0.00						1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	100.	1	0	0.00						1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00						1	0	0.00			
		Drinking Water	5000.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0027

NPS Station ID: HOCU0027 LAT/LON: 39.312505/ -82.967781
 Location: PAINT CREEK DST MEAD PAPER 001 - MIXING ZONE

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V10S41
 Within Park Boundary: No

Date Created: 12/05/92

Station Type: /TYPA/AMBNT/STREAM/BIO
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 002.54

HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060003000102.41

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 7.24

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.40
 Distance from RF3: 0.09

On/Off RF1:
 On/Off RF3:

Description:

PURPOSE - INTENSIVE SURVEY OF THE LOWER PAINT CREEK BASIN. LOCATION - ROSS CO.; LOCATED IMMEDIATELY DOWNSTREAM FROM THE
 MEAD PAPER CO. 001 OUTFALL, IN THE MIXING ZONE; AT CHILlicothe. COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING,
 SOUTHEAST DISTRICT OFFICE, (614) 385-8501. U.S.G.S. QUADRANGLE: CHILlicothe EAST, OHIO

Parameter Inventory for Station: HOCU0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/25/97	9	23.4	22.933	28.3	15.5	13.2	3.633	15.5	21.35	25.55	28.3
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-10/22/97	10	772.5	799.	1625.	427.	139326.444	373.265	428.1	477.	937.5	1582.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-10/22/97	6	785.	800.667	1280.	400.	79189.067	281.406	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/25/97	9	8.	8.	11.2	5.7	2.33	1.526	5.7	7.	8.65	11.2
00310 BOD, 5 DAY, 20 DEG C MG/L	07/09/92-10/22/97	10	2.15	2.55	6.6	0.5	4.501	2.121	0.55	1.	3.4	6.55
00340 COD, .25N K2CR2O7 MG/L	07/09/92-10/22/97	10	24.5	35.3	110.	12.	1018.678	31.917	12.1	14.5	41.25	106.5
00400 PH (STANDARD UNITS)	07/09/92-10/22/97	10	7.955	7.964	8.14	7.76	0.022	0.149	7.764	7.837	8.125	8.14
00400 CONVERTED PH (STANDARD UNITS)	07/09/92-10/22/97	10	7.95	7.941	8.14	7.76	0.023	0.151	7.764	7.837	8.125	8.14
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-10/22/97	10	0.011	0.011	0.017	0.007	0.	0.004	0.007	0.008	0.015	0.017
00403 PH, LAB, STANDARD UNITS SU	07/09/92-10/22/97	5	8.1	7.96	8.2	7.6	0.063	0.251	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	07/09/92-10/22/97	5	8.1	7.899	8.2	7.6	0.068	0.26	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-10/22/97	5	0.008	0.013	0.025	0.006	0.	0.008	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-10/22/97	6	217.5	219.667	296.	141.	2444.267	49.44	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	10/22/97-10/22/97	1	508.	508.	508.	508.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/25/97	9	20.	43.444	134.	8.	2611.528	51.103	8.	10.5	81.5	134.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-10/22/97	10 ##	0.025	0.093	0.35	0.025	0.011	0.107	0.025	0.025	0.16	0.331
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-10/22/97	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-10/22/97	10	0.675	0.765	2.2	0.2	0.303	0.551	0.22	0.475	0.85	2.08
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/92-10/22/97	9	1.44	1.42	2.56	0.44	0.51	0.714	0.44	0.75	1.99	2.56
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-10/22/97	10	0.1	0.141	0.43	0.025	0.016	0.125	0.028	0.05	0.215	0.413
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	5	9.2	12.86	31.	4.6	108.288	10.406	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/09/92-10/22/97	10	280.	275.	313.	205.	1153.333	33.961	208.	256.75	305.25	312.9
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/09/92-10/22/97	10	64.	63.6	76.	44.	93.378	9.663	44.9	59.	72.5	75.8
00927 MAGNESIUM, TOTAL (MG/L AS MG)	07/09/92-10/22/97	10	28.5	28.2	31.	23.	6.844	2.616	23.2	26.5	30.25	31.
00929 SODIUM, TOTAL (MG/L AS Na)	07/09/92-10/22/97	10	60.	70.2	221.	6.	4900.4	70.003	6.5	12.5	94.	215.2
00937 POTASSIUM, TOTAL MG/L AS K)	08/05/97-10/22/97	5	5.	5.6	10.	3.	6.8	2.608	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/09/92-10/22/97	10	37.	48.2	138.	12.	1503.511	38.775	12.3	23.25	65.5	133.3
00945 SULFATE, TOTAL (MG/L AS SO4)	07/09/92-10/22/97	10	90.5	118.	399.	28.	12017.333	109.624	30.2	50.	126.75	379.5
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	5	0.24	0.236	0.3	0.15	0.004	0.063	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/09/92-10/22/97	10 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01027 CADMIUM, TOTAL (UG/L AS CD)	07/09/92-10/22/97	10 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-10/22/97	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042 COPPER, TOTAL (UG/L AS CU)	07/09/92-10/22/97	10 ##	4.5	3.3	5.	1.	4.011	2.003	1.	1.	5.	5.
01045 IRON, TOTAL (UG/L AS FE)	07/09/92-10/22/97	10	433.5	939.6	3590.	131.	1510858.933	1229.17	139.5	281.25	1195.5	3519.
01051 LEAD, TOTAL (UG/L AS PB)	07/09/92-10/22/97	10 ##	1.	1.3	3.	1.	0.456	0.675	1.	1.	1.25	2.9
01055 MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	6	47.	76.	235.	24.	6273.2	79.204	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/09/92-10/22/97	10 ##	20.	22.	40.	20.	40.	6.325	20.	20.	20.	38.
01092 ZINC, TOTAL (UG/L AS ZN)	07/09/92-10/22/97	10 ##	7.5	18.9	74.	5.	496.767	22.288	5.	5.	31.75	70.
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-10/22/97	6	396.	552.667	1680.	100.	327969.467	572.686	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/23/97-10/22/97	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	335.	340.	460.	230.	10200.	100.995	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	2.521	2.517	2.663	2.362	0.017	0.132	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	2.521	2.517	2.663	2.362	0.017	0.132	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/09/92-09/25/97	9	458.	513.778	1040.	254.	66881.444	258.614	254.	342.	670.	1040.
71900 MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	5 ##	0.1	0.12	0.2	0.1	0.002	0.045	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0027

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00				6	0	0.00			
00400 PH	Fresh Chronic	9.	10	0	0.00	4	0	0.00				6	0	0.00			
	Other-Lo Lim.	6.5	10	0	0.00	4	0	0.00				6	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	5	0	0.00	2	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				3	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	4	0	0.00				5	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	4	0	0.00				6	0	0.00			
	Drinking Water	250.	10	0	0.00	4	0	0.00				6	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	1	0.10	4	0	0.00				6	1	0.17			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	4	0	0.00				6	0	0.00			
	Drinking Water	50.	10	0	0.00	4	0	0.00				6	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	10	0	0.00	4	0	0.00				6	0	0.00			
	Drinking Water	5.	10	0	0.00	4	0	0.00				6	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	4	0	0.00				6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	10	0	0.00	4	0	0.00				6	0	0.00			
	Drinking Water	1300.	10	0	0.00	4	0	0.00				6	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	4	0	0.00				6	0	0.00			
	Drinking Water	15.	10	0	0.00	4	0	0.00				6	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	4	0	0.00				6	0	0.00			
	Drinking Water	100.	10	0	0.00	4	0	0.00				6	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	4	0	0.00				6	0	0.00			
	Drinking Water	5000.	10	0	0.00	4	0	0.00				6	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	3	0	0.00				3	0	0.00			
	Drinking Water	50.	6	0	0.00	3	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00							4	4	1.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0028

NPS Station ID: HOCU0028
 Location: SCIOTO R AT CHILLICOTHE OH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060002
 Major Basin:
 Minor Basin:
 RF1 Index: 05060002078
 RF3 Index: 05060002001700.95
 Description:

LAT/LON: 39.341392/ -82.971115

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 6.390
 RF3 Mile Point: 1.18

Agency: 112WRD
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 03231500
 Within Park Boundary: No

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 14.70
 Distance from RF3: 0.10

Date Created: / /

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	164	14.25	13.859	27.	0.	63.398	7.962	3.25	6.	21.	24.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/25/74-06/23/77	7	19.	19.643	33.5	1.5	116.81	10.808	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	124	1670.	3706.694	25700.	365.	23438005.515	4841.281	510.	764.5	4365.	10950.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/04/71-06/23/77	76	2870.	5574.461	25600.	620.	35054705.425	5920.701	764.6	1662.5	7115.	15250.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	193	653.	636.585	943.	259.	17606.609	132.69	434.	534.	731.	799.6
00300 OXYGEN, DISSOLVED MG/L	09/12/66-06/23/77	15	6.6	6.88	11.7	1.	10.595	3.255	2.02	4.1	10.4	11.28
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/12/66-06/23/77	15	66.	71.333	130.	11.	995.238	31.547	23.6	47.	89.	124.
00310 BOD, 5 DAY, 20 DEG C MG/L	08/25/75-06/23/77	5	6.	5.12	6.3	3.4	2.207	1.486	**	**	**	**
00400 PH (STANDARD UNITS)	08/30/65-06/23/77	104	7.6	7.677	8.7	6.8	0.222	0.471	7.2	7.3	8.075	8.4
00400 CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	104	7.6	7.477	8.7	6.8	0.262	0.512	7.2	7.3	8.075	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	104	0.025	0.033	0.158	0.002	0.001	0.028	0.004	0.008	0.05	0.063
00405 CARBON DIOXIDE (MG/L AS CO2)	01/22/73-06/23/77	27	4.4	6.519	19.	0.7	27.192	5.215	1.28	2.3	9.8	13.8
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	171	194.	178.801	315.	0.	2415.925	49.152	118.4	152.	212.	225.
00440 BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	197	231.	221.888	384.	108.	2200.916	46.914	149.6	190.	256.	274.
00445 CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	195	0.	1.995	18.	0.	17.593	4.194	0.	0.	0.	10.
00500 RESIDUE, TOTAL (MG/L)	01/22/73-06/24/74	18	547.	523.556	832.	31.	27403.085	165.539	318.1	481.25	595.5	753.7
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/25/74-06/23/77	7	0.53	0.486	1.	0.03	0.135	0.368	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	01/22/73-06/23/77	30	0.01	0.028	0.21	0.005	0.002	0.048	0.005	0.005	0.018	0.106
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/04/71-07/18/73	43	3.6	3.849	7.9	2.	1.404	1.185	2.64	3.	4.6	5.4
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	01/22/73-06/23/77	30	3.6	3.647	6.2	1.7	1.038	1.019	2.22	3.175	4.125	5.05
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	01/22/73-06/23/77	30	3.6	3.667	6.2	1.8	0.986	0.993	2.4	3.175	4.125	5.05
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/25/74-06/23/77	7	0.62	0.684	1.2	0.35	0.091	0.301	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/70-06/23/77	12	8.95	9.308	24.	0.	38.046	6.168	0.	8.	11.75	20.7
00685 CARBON, TOTAL INORGANIC (MG/L AS C)	06/01/73-06/01/73	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	188	300.	287.42	393.	160.	2696.459	51.927	200.	256.25	324.	340.2
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	187	102.	102.487	145.	45.	441.714	21.017	73.6	86.	120.	130.
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	01/22/73-06/23/77	21	72.	68.095	83.	39.	170.89	13.073	50.2	54.	77.	82.8
00916 CALCIUM, TOTAL (MG/L AS Ca)	08/08/73-09/24/73	4	83.	77.25	90.	53.	296.25	17.212	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	01/22/73-06/23/77	21	25.	23.524	30.	15.	22.262	4.718	16.	18.5	27.5	28.8
00927 MAGNESIUM, TOTAL (MG/L AS MG)	08/08/73-09/24/73	4	26.5	25.	30.	17.	35.333	5.944	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	09/25/74-06/23/77	7	25.	25.143	37.	15.	77.143	8.783	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/25/74-06/23/77	7	0.6	0.629	0.9	0.4	0.042	0.206	**	**	**	**
00932 SODIUM, PERCENT	09/25/74-06/23/77	7	15.	15.286	20.	11.	12.571	3.546	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/25/74-06/23/77	7	3.8	3.886	5.3	2.8	0.898	0.948	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	197	31.	32.442	74.	12.	130.544	11.426	18.8	24.	40.	47.2
00945 SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	196	94.	93.071	166.	25.	680.046	26.078	55.7	74.25	112.75	128.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	173	0.5	0.6	1.6	0.1	0.094	0.307	0.3	0.4	0.8	1.
00951 FLUORIDE, TOTAL (MG/L AS F)	08/08/73-09/24/73	4	0.7	0.75	1.1	0.5	0.07	0.265	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/25/74-06/23/77	7	6.7	6.214	7.5	3.2	2.255	1.502	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/25/75-06/23/77	5	4.	3.4	4.	2.	0.8	0.894	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/25/75-06/23/77	5 ##	10.	12.	20.	10.	20.	4.472	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/25/75-06/23/77	5	10.	11.8	20.	7.	24.2	4.919	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/25/74-06/23/77	7	40.	54.286	140.	30.	1495.238	38.668	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/25/75-06/23/77	5	11.	10.6	16.	6.	14.8	3.847	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/12/66-09/12/66	1	390.	390.	390.	390.	0.	0.	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/25/74-06/23/77	7	30.	33.571	60.	5.	405.952	20.148	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/25/75-06/23/77	4	50.	55.	80.	40.	300.	17.321	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	167	412.	400.647	554.	208.	6972.254	83.5	273.6	332.	464.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/25/74-06/23/77	7	392.	379.	426.	321.	1583.	39.787	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	151	2170.	3653.242	17200.1	453.	11901497.809	3449.855	749.6	1150.01	4900.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	150	0.56	0.541	0.75	0.28	0.012	0.109	0.371	0.46	0.623
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	147	15.	17.12	160.	0.5	181.028	13.455	9.08	12.	20.
71885	IRON (UG/L AS FE)	09/12/66-09/12/66	1	150.	150.	150.	150.	0.	0.	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/12/66-09/12/66	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/03/70-06/23/77	13 ##	0.25	0.446	1.6	0.25	0.174	0.417	0.25	0.25	0.475

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0028

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	3	0.20	2	0	0.00	3	0	0.00	10	3	0.30		
00400	PH	Fresh Chronic	9.	104	0	0.00	17	0	0.00	40	0	0.00	47	0	0.00		
		Other-Lo Lim.	6.5	104	0	0.00	17	0	0.00	40	0	0.00	47	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	30	0	0.00	5	0	0.00	12	0	0.00	13	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	43	0	0.00	6	0	0.00	17	0	0.00	20	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	30	0	0.00	5	0	0.00	12	0	0.00	13	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	30	0	0.00	5	0	0.00	12	0	0.00	13	0	0.00		
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	197	0	0.00	33	0	0.00	75	0	0.00	89	0	0.00		
		Drinking Water	250.	197	0	0.00	33	0	0.00	75	0	0.00	89	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	196	0	0.00	33	0	0.00	75	0	0.00	88	0	0.00		
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	173	0	0.00	27	0	0.00	66	0	0.00	80	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00			2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00			2	0	0.00	3	0	0.00			
		Drinking Water	50.	5	0	0.00			2	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00			2	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20			2	0	0.00	3	1	0.33			
		Drinking Water	1300.	5	0	0.00			2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00			2	0	0.00	3	0	0.00			
		Drinking Water	15.	5	1	0.20			2	1	0.50	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00			1	0	0.00	3	0	0.00			
		Drinking Water	5000.	4	0	0.00			1	0	0.00	3	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	147	1	0.01	24	1	0.04	54	0	0.00	69	0	0.00		
71900	MERCURY, TOTAL	Fresh Acute	2.4	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00		
		Drinking Water	2.	13	0	0.00	4	0	0.00	2	0	0.00	7	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1965 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	1	21.7	21.7	21.7	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	7	705.	1176.571	3980.	451.	1571214.952	1253.481	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	7	755.	741.714	847.	545.	9492.571	97.43	**	**	**
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	6	7.4	7.5	7.9	7.2	0.084	0.29	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	6	7.389	7.429	7.9	7.2	0.09	0.3	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	6	0.041	0.037	0.063	0.013	0.	0.02	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	7	270.	253.143	286.	204.	1149.143	33.899	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	7	0.	0.857	6.	0.	5.143	2.268	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	7	348.	333.143	362.	272.	1368.143	36.988	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	7	125.	120.714	132.	101.	113.238	10.641	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	7	42.	41.571	59.	24.	127.952	11.312	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	6	115.5	109.	126.	73.	395.2	19.88	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	7	474.	465.143	530.	332.	4155.81	64.466	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1966 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	1	22.2	22.2	22.2	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	23	1520.	4469.609	21300.	365.	34726116.158	5892.887	482.4	536.	5940.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	20	706.	675.25	943.	415.	24288.408	155.847	438.1	514.5	812.
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	23	7.3	7.435	8.2	6.8	0.16	0.4	7.1	7.2	7.6
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	23	7.3	7.301	8.2	6.8	0.178	0.422	7.1	7.2	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	23	0.05	0.05	0.158	0.006	0.001	0.034	0.006	0.025	0.063
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	7	0.	63.714	225.	0.	11552.238	107.481	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	23	246.	230.13	314.	126.	2969.846	54.496	142.4	176.	274.
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	23	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	23	323.	298.348	393.	188.	3603.237	60.027	203.6	240.	348.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	23	118.	109.522	139.	74.	420.806	20.514	82.8	90.	127.
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	23	33.	33.	58.	18.	111.091	10.54	19.4	25.	38.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	23	110.	106.826	166.	58.	743.15	27.261	67.2	84.	128.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	10	0.85	0.91	1.6	0.5	0.134	0.367	0.51	0.6	1.15
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	23	448.	410.957	554.	238.	7593.407	87.14	267.2	326.	470.
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	7	1870.	1685.143	1870.	576.	239205.143	489.086	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	7	0.62	0.613	0.62	0.57	0.	0.019	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	10	12.1	13.97	32.	0.5	104.558	10.225	0.91	6.925	20.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	6	7.5	9.333	20.	4.	33.467	5.785	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	6	1340.	1989.667	5580.	418.	3538856.667	1881.185	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	6	765.	720.333	816.	531.	12274.267	110.789	**	**	**
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	6	7.75	7.767	8.4	7.	0.403	0.635	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	6	7.55	7.447	8.4	7.	0.526	0.725	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	6	0.028	0.036	0.1	0.004	0.001	0.039	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	6	191.	184.	203.	130.	748.	27.35	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	6	228.	220.333	246.	158.	987.867	31.43	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	6	0.	2.	6.	0.	9.6	3.098	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	6	324.	309.667	334.	252.	1027.867	32.06	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	6	125.	125.5	139.	105.	153.1	12.373	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	6	46.	41.5	50.	26.	87.9	9.375	**	**	**

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Annual Analysis for 1967 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	6	120.5	117.5	139.	89.	418.3	20.452	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	6	1.	0.95	1.3	0.3	0.123	0.351	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/30/65-07/18/73	6	468.	439.	492.	356.	3564.4	59.703	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	6	1560.005	2220.838	5570.	555.	3433061.757	1852.852	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	6	0.64	0.597	0.67	0.48	0.007	0.084	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	6	19.	18.5	33.	6.8	93.276	9.658	**	**	**	**

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Annual Analysis for 1968 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	21	12.	12.857	24.	1.	65.429	8.089	3.	4.5	20.5	23.8
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	24	1725.	3447.083	18100.	396.	23372879.297	4834.551	404.	676.75	3942.5	13800.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	24	672.5	666.792	884.	387.	15677.563	125.21	469.5	593.25	729.	841.5
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	24	7.75	7.825	8.7	7.2	0.221	0.47	7.25	7.5	8.	8.6
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	24	7.747	7.638	8.7	7.2	0.258	0.507	7.25	7.5	8.	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	24	0.018	0.023	0.063	0.002	0.	0.018	0.003	0.01	0.032	0.057
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	24	205.	196.292	244.	107.	1375.868	37.093	132.	176.	231.	236.
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	24	248.	233.542	298.	130.	2053.563	45.316	161.	206.75	270.	286.
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	24	0.	2.833	18.	0.	33.71	5.806	0.	0.	0.	14.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	24	310.	299.375	378.	184.	2142.158	46.283	220.5	271.5	326.	350.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	24	104.	103.	145.	64.	337.13	18.361	80.	88.75	115.	125.
00940p	CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	24	34.	31.75	50.	13.	81.065	9.004	17.	25.25	36.	43.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	24	102.	98.833	134.	52.	471.71	21.719	59.5	87.25	111.25	129.5
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	24	0.6	0.629	1.3	0.2	0.088	0.297	0.3	0.4	0.8	1.15
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/30/65-07/18/73	24	433.	423.833	540.	242.	6424.319	80.152	286.	380.	480.	531.
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	24	1865.01	3130.597	13300.1	453.	11889975.316	3448.184	576.5	843.003	4400.003	10250.05
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	24	0.59	0.576	0.73	0.33	0.012	0.108	0.39	0.513	0.655	0.72
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	24	12.5	14.05	33.	6.3	41.616	6.451	6.95	9.85	18.5	23.

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Annual Analysis for 1969 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	23	14.	13.696	26.	1.	68.312	8.265	3.2	6.	21.	25.
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	24	2755.	4929.625	25700.	412.	31970034.158	5654.205	664.	1150.	7855.	10950.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	24	663.5	610.25	785.	364.	18202.804	134.918	417.	448.	718.75	758.5
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	18	7.4	7.511	8.4	7.	0.203	0.451	7.09	7.175	7.75	8.31
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	18	7.4	7.355	8.4	7.	0.229	0.479	7.09	7.175	7.75	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	18	0.04	0.044	0.1	0.004	0.001	0.029	0.005	0.02	0.067	0.081
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	24	184.5	173.917	230.	89.	1489.732	38.597	119.	139.	204.5	219.
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	24	218.5	208.667	280.	108.	2214.493	47.058	137.	168.75	244.	264.
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	24	0.	1.708	12.	0.	12.476	3.532	0.	0.	1.5	9.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	24	308.	277.375	339.	164.	3221.201	56.756	198.5	210.25	319.75	335.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	24	107.5	103.333	140.	60.	566.319	23.797	70.	83.25	122.	138.5
00940p	CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	24	28.	26.167	43.	12.	99.71	9.985	13.	16.	32.75	42.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	24	97.	92.	137.	48.	796.522	28.223	51.5	61.75	115.5	126.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	24	0.4	0.475	0.9	0.1	0.06	0.245	0.25	0.3	0.725	0.9
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/30/65-07/18/73	24	408.	381.917	502.	248.	7123.993	84.404	259.	286.5	454.5	473.
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	24	3065.01	4131.924	17200.1	538.	14460143.285	3802.65	816.	1410.01	6397.5	8310.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	24	0.555	0.52	0.68	0.34	0.013	0.115	0.355	0.39	0.617	0.645
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	24	16.	15.321	22.	7.6	14.439	3.8	9.55	12.	18.	20.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	21	18.	15.762	26.5	2.	72.04	8.488	3.4	6.	23.	26.
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	23	2280.	3808.739	18800.	450.	25662867.656	5065.853	521.6	638.	3570.	14432.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	23	641.	633.783	802.	391.	13640.632	116.793	419.2	600.	730.	788.
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	23	197.	187.609	223.	103.	1105.249	33.245	128.6	179.	210.	219.4
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	23	234.	223.957	272.	125.	1494.771	38.662	156.8	216.	246.	266.2
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	23	0.	2.391	13.	0.	21.885	4.678	0.	0.	0.	11.
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	23	289.	281.783	326.	182.	1889.632	43.47	194.	272.	320.	321.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	23	96.	93.565	118.	60.	245.166	15.658	70.6	80.	105.	116.6
00940p	CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	23	30.	31.	65.	16.	113.727	10.664	17.2	25.	36.	43.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	23	96.	97.217	139.	51.	564.087	23.751	55.4	87.	114.	132.2
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	23	0.7	0.722	1.6	0.2	0.132	0.363	0.34	0.5	0.9	1.46
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/30/65-07/18/73	23	396.	401.739	512.	238.	6504.474	80.65	262.	368.	490.	508.
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	23	2540.	3393.304	16200.	618.	14664891.949	3829.477	637.6	875.	3700.	10000.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	23	0.54	0.547	0.7	0.32	0.012	0.11	0.36	0.5	0.67	0.69
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	23	15.	15.413	22.	8.2	17.662	4.203	9.64	12.	19.	21.6

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Annual Analysis for 1971 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	22	15.5	14.432	24.5	0.	66.602	8.161	2.6	7.875	22.25	24.
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	17	1660.	2824.294	9480.	520.	7964663.971	2822.174	691.2	937.5	3895.	8352.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	23	695.	677.391	884.	404.	15511.522	124.545	489.	583.	786.	823.2
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	23	198.	187.87	235.	110.	1035.3	32.176	136.6	171.	212.	225.6
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	23	228.	222.696	286.	134.	1405.312	37.487	166.4	198.	250.	272.
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	23	0.	3.13	18.	0.	27.209	5.216	0.	0.	8.	11.2
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	23	300.	295.217	360.	170.	2235.178	47.278	224.	260.	330.	340.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	23	110.	107.087	130.	60.	399.901	19.998	72.	92.	120.	130.
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	23	35.	36.913	57.	20.	96.265	9.811	25.8	29.	44.	53.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	23	110.	103.043	140.	57.	590.953	24.31	64.6	84.	120.	130.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	23	0.5	0.6	1.	0.3	0.046	0.215	0.3	0.4	0.8	0.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	23	444.	420.696	550.	218.	6883.13	82.965	309.6	360.	484.	524.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	23	1450.	2590.826	8140.	739.	5494124.241	2343.955	803.	887.	3430.	7248.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	23	0.6	0.573	0.75	0.3	0.013	0.113	0.418	0.49	0.66	0.716
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	23	16.	18.178	37.	6.5	61.822	7.863	9.24	11.	24.	30.8

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Annual Analysis for 1972 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	23	13.5	14.087	25.5	0.	57.924	7.611	3.9	7.	20.	24.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	23	603.	592.913	824.	381.	14594.356	120.807	415.6	502.	702.	737.
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	23	162.	173.522	228.	120.	1471.079	38.355	122.6	138.	208.	222.2
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	23	198.	207.261	278.	146.	2029.565	45.051	149.6	162.	252.	264.4
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	23	0.	2.13	14.	0.	14.482	3.806	0.	0.	4.	8.6
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	23	290.	277.826	360.	190.	3008.696	54.852	194.	240.	320.	350.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	23	100.	103.696	140.	69.	458.494	21.412	70.8	86.	120.	130.
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	23	35.	37.957	74.	14.	241.134	15.529	22.4	26.	47.	63.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	23	86.	83.	110.	47.	344.455	18.559	54.4	66.	99.	110.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	23	0.4	0.535	1.3	0.2	0.09	0.299	0.3	0.3	0.7	1.12
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	23	376.	366.348	544.	220.	6876.964	82.927	247.6	304.	426.	464.
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	23	4680.	4792.913	12100.	802.	11603062.447	3406.327	1147.	1870.	6400.	10952.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	23	0.51	0.499	0.74	0.3	0.013	0.112	0.336	0.41	0.58	0.63

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	23	17.	23.935	160.	9.5	919.961	30.331	11.4	13.	22.	33.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	26	12.25	13.708	24.5	0.5	65.766	8.11	3.7	5.625	22.	24.5
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	25	559.	572.32	818.	259.	20232.893	142.242	357.4	486.	683.5	771.6
00400 PH (STANDARD UNITS)	08/30/65-06/23/77	8	8.	7.95	8.6	7.2	0.271	0.521	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	8	7.955	7.701	8.6	7.2	0.342	0.585	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	8	0.011	0.02	0.063	0.003	0.	0.021	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	22	189.	181.909	315.	103.	2682.372	51.792	109.1	141.75	215.25	234.
00440p BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	25	215.	216.56	384.	126.	3439.007	58.643	135.4	174.	255.	277.2
00445p CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	23	0.	3.261	13.	0.	26.292	5.128	0.	0.	6.	12.6
00900p HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	16	265.	266.875	340.	170.	2996.25	54.738	184.	222.5	317.5	333.
00902p HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	15	94.	94.6	130.	67.	373.829	19.335	67.6	79.	110.	124.
00940p CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	25	24.	26.28	46.	12.	71.377	8.448	17.	21.	32.5	39.8
00945p SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	25	74.	75.16	120.	25.	592.64	24.344	42.4	59.5	89.5	120.
00950p FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	21	0.4	0.429	0.9	0.2	0.032	0.179	0.2	0.3	0.5	0.68
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	14	346.	349.	434.	208.	4212.769	64.906	239.	316.5	411.5	429.
70302 SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	14	4805.	6465.714	14300.	1760.	16087672.527	4010.944	2215.	2895.	10400.	12650.
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	13	0.47	0.478	0.59	0.28	0.008	0.092	0.316	0.415	0.565	0.586
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	14	16.	17.	26.	12.	13.077	3.616	13.	14.	19.25	23.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	14	12.5	11.929	21.	1.5	47.225	6.872	1.75	6.	18.625	20.25
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	12	638.	595.917	743.	390.	13314.992	115.391	403.2	476.25	687.25	728.6
00400 PH (STANDARD UNITS)	08/30/65-06/23/77	13	7.7	7.831	8.5	7.2	0.174	0.417	7.24	7.6	8.2	8.5
00400 CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	13	7.7	7.671	8.5	7.2	0.202	0.449	7.24	7.6	8.2	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	13	0.02	0.021	0.063	0.003	0.	0.018	0.003	0.006	0.025	0.058
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	13	197.	176.462	233.	107.	1989.436	44.603	109.8	123.	212.	227.8
00440p BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	13	237.	213.462	284.	130.	2825.603	53.156	133.6	150.5	251.	277.6
00445p CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	13	0.	0.846	8.	0.	5.308	2.304	0.	0.	0.	6.
00900p HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	13	290.	266.923	330.	160.	3389.744	58.222	172.	200.	315.	326.
00902p HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	13	85.	89.769	120.	45.	481.692	21.947	54.6	75.5	110.	120.
00940p CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	13	28.	30.846	52.	15.	134.308	11.589	16.6	21.	38.5	51.6
00945p SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	13	81.	72.154	98.	25.	500.141	22.364	33.	51.	90.5	96.8
00950p FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	13	0.5	0.585	1.5	0.4	0.085	0.291	0.4	0.4	0.6	1.18
70302 SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	1	888.	888.	888.	888.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	2	14.75	14.75	27.	2.5	300.125	17.324	**	**	**	**
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	2	645.	645.	700.	590.	6050.	77.782	**	**	**	**

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Annual Analysis for 1975 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	2	7.9	7.9	8.	7.8	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	2	7.889	7.889	8.	7.8	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	2	0.013	0.013	0.016	0.01	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	2	218.	218.	225.	211.	98.	9.899	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	2	265.5	265.5	274.	257.	144.5	12.021	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	2	295.	295.	310.	280.	450.	21.213	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	2	74.5	74.5	84.	65.	180.5	13.435	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	2	33.	33.	38.	28.	50.	7.071	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	2	85.5	85.5	98.	73.	312.5	17.678	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	2	0.6	0.6	0.8	0.4	0.08	0.283	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	2	2111.	2111.	3420.	802.	3426962.	1851.206	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	2	0.525	0.525	0.58	0.47	0.006	0.078	**	**	**	**

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Annual Analysis for 1976 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	2	17.	17.	24.5	9.5	112.5	10.607	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	2	632.5	632.5	710.	555.	12012.5	109.602	**	**	**	**
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	2	7.75	7.75	8.2	7.3	0.405	0.636	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	2	7.55	7.55	8.2	7.3	0.485	0.697	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	2	0.028	0.028	0.05	0.006	0.001	0.031	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	2	202.	202.	225.	179.	1058.	32.527	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	2	246.	246.	274.	218.	1568.	39.598	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	2	280.	280.	310.	250.	1800.	42.426	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	2	77.	77.	87.	67.	200.	14.142	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	2	30.	30.	36.	24.	72.	8.485	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	2	84.5	84.5	90.	79.	60.5	7.778	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	2	1978.5	1978.5	3160.	797.	2791884.5	1670.893	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	2	0.495	0.495	0.55	0.44	0.006	0.078	**	**	**	**

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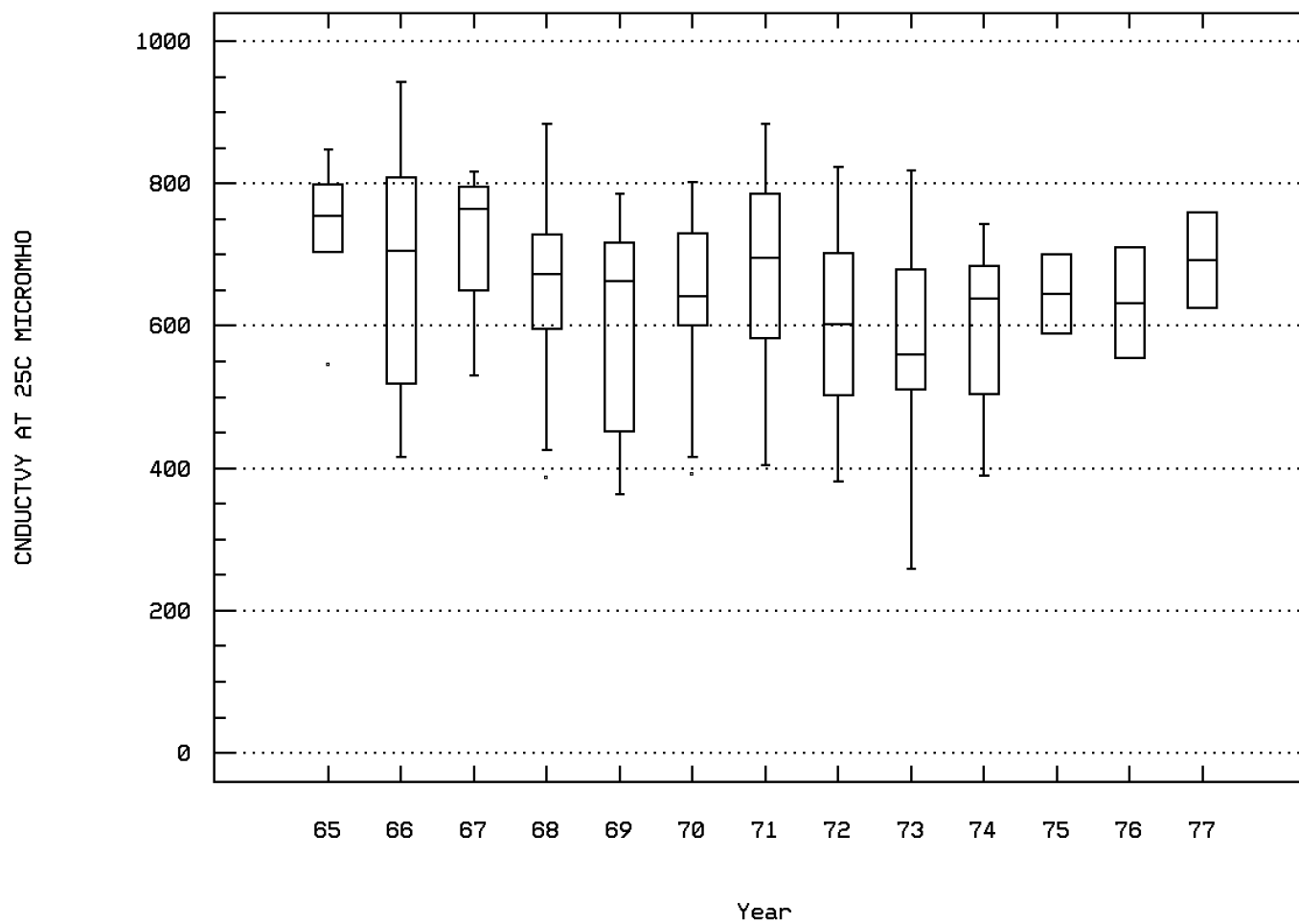
Annual Analysis for 1977 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	2	14.25	14.25	22.5	6.	136.125	11.667	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	2	692.5	692.5	760.	625.	9112.5	95.459	**	**	**	**
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	2	8.05	8.05	8.2	7.9	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	2	8.025	8.025	8.2	7.9	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	2	0.009	0.009	0.013	0.006	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	2	188.5	188.5	213.	164.	1200.5	34.648	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	2	230.	230.	260.	200.	1800.	42.426	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	2	295.	295.	310.	280.	450.	21.213	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	2	103.5	103.5	110.	97.	84.5	9.192	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	2	41.5	41.5	42.	41.	0.5	0.707	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	2	87.	87.	94.	80.	98.	9.899	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	2	0.5	0.5	0.7	0.3	0.08	0.283	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	2	2379.5	2379.5	4050.	709.	5581140.5	2362.444	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	2	0.515	0.515	0.56	0.47	0.004	0.064	**	**	**	**

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Station: HOCU0028 Parameter Code: 00095

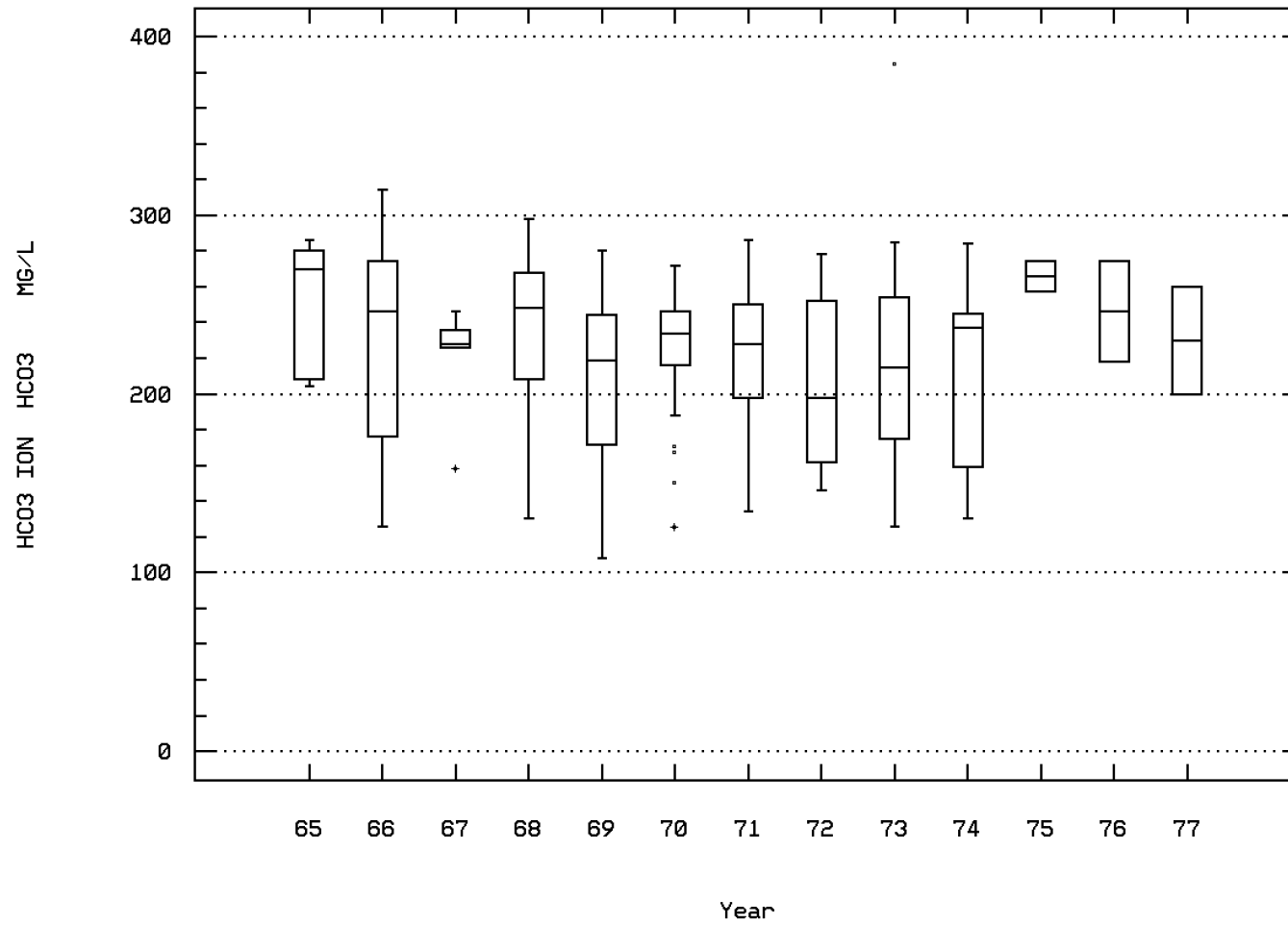
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SCIOTO R AT CHILLICOTHE OH

Station: HOCU0028 Parameter Code: 00440

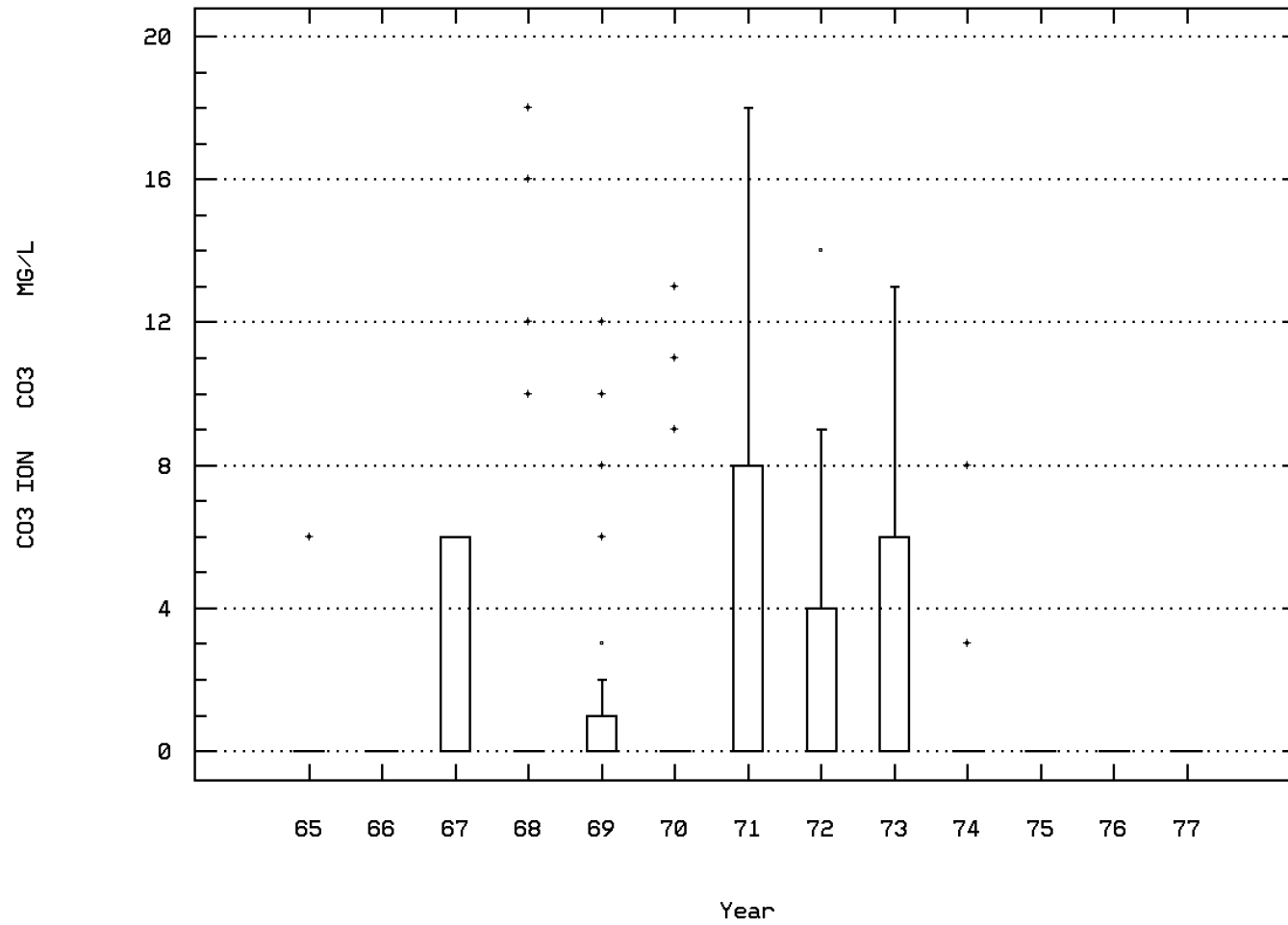
BICARBONATE ION (MG/L AS HCO3)



SCIOTO R AT CHILLICOTHE OH

Station: HOCU0028 Parameter Code: 00445

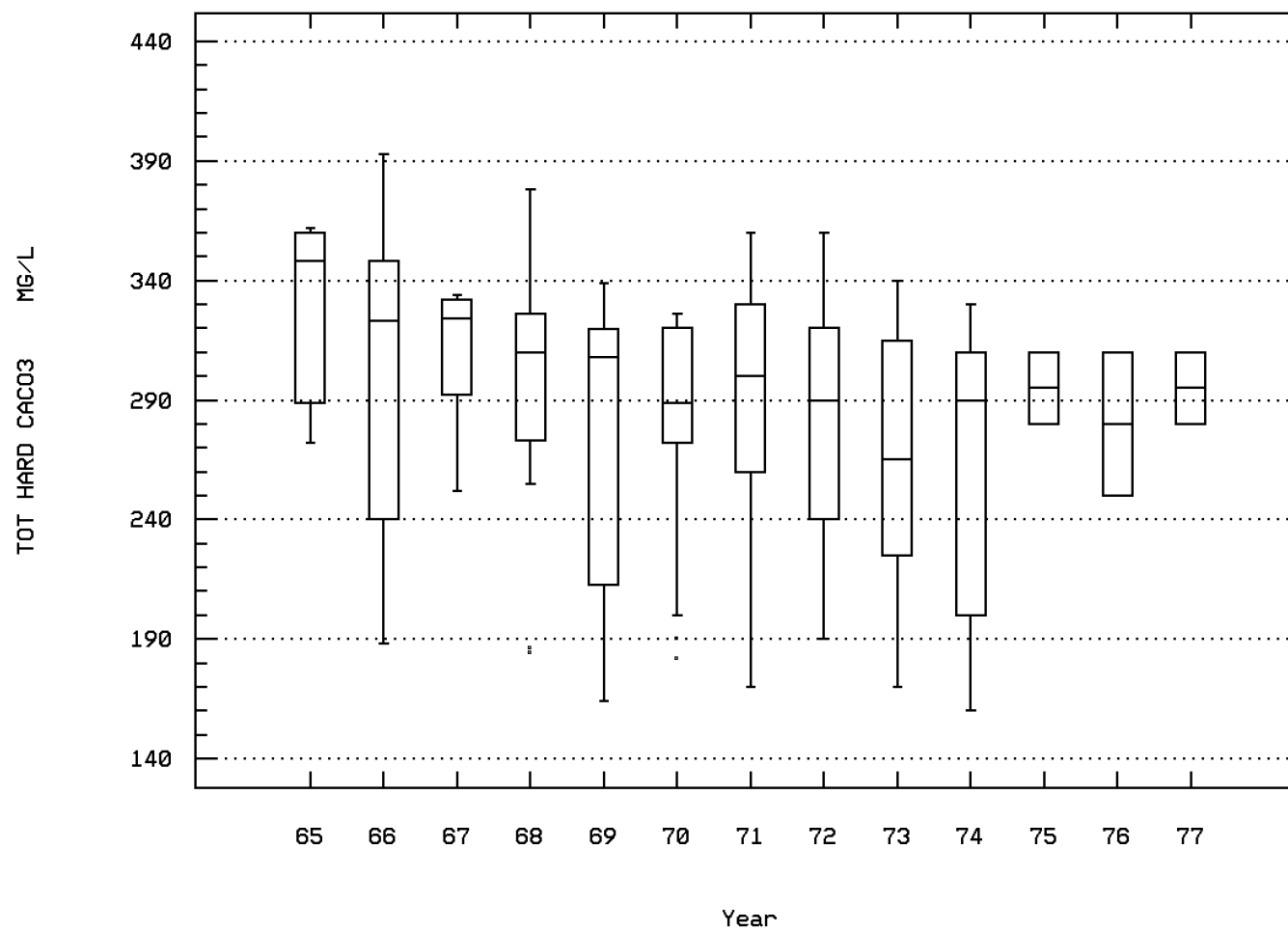
CARBONATE ION (MG/L AS CO3)



SCIOTO R AT CHILLICOTHE OH

Station: HOCU0028 Parameter Code: 00900

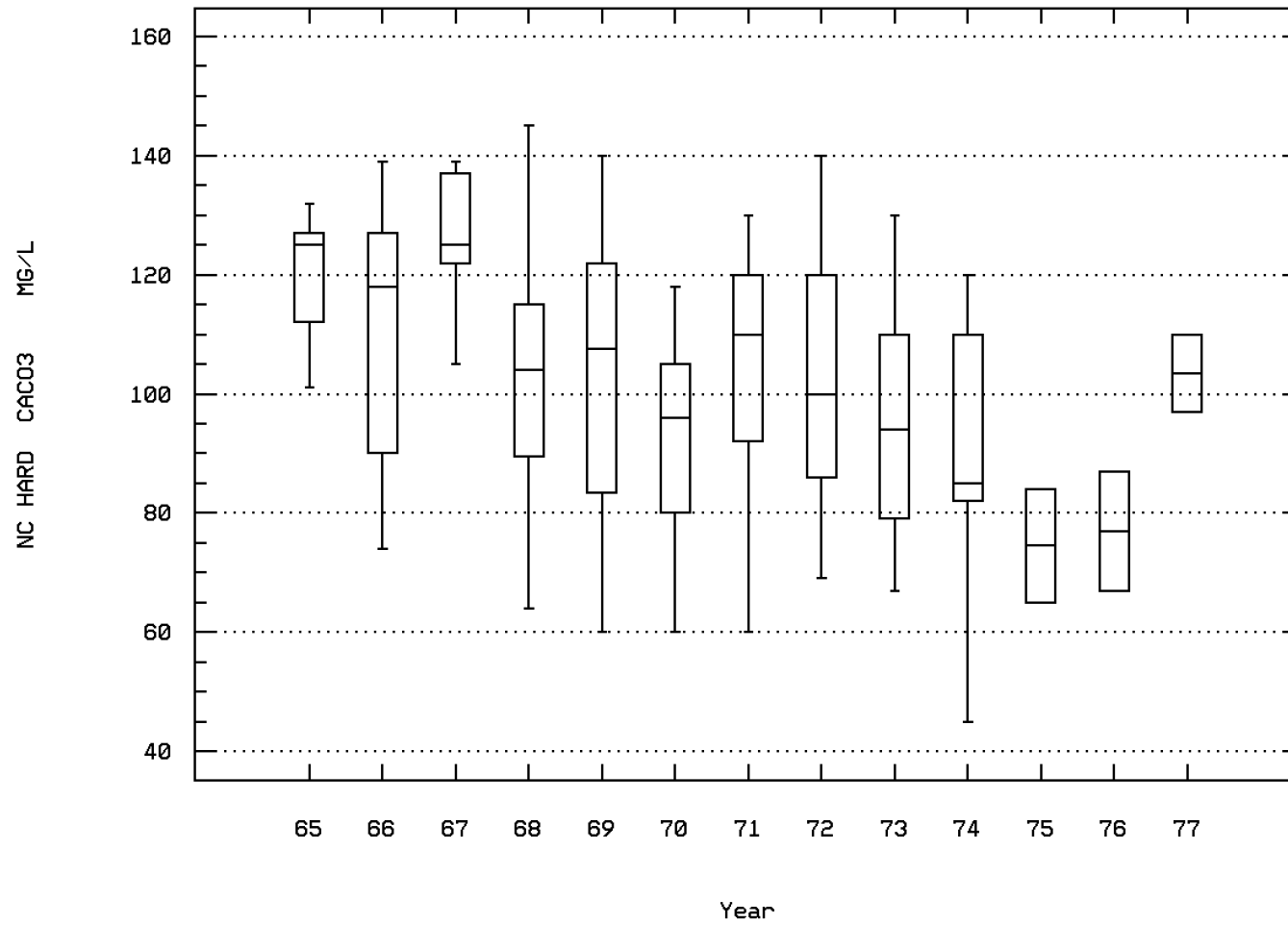
HARDNESS, TOTAL (MG/L AS CaCO3)



SCIOTO R AT CHILLICOTHE OH

Station: HOCU0028 Parameter Code: 00902

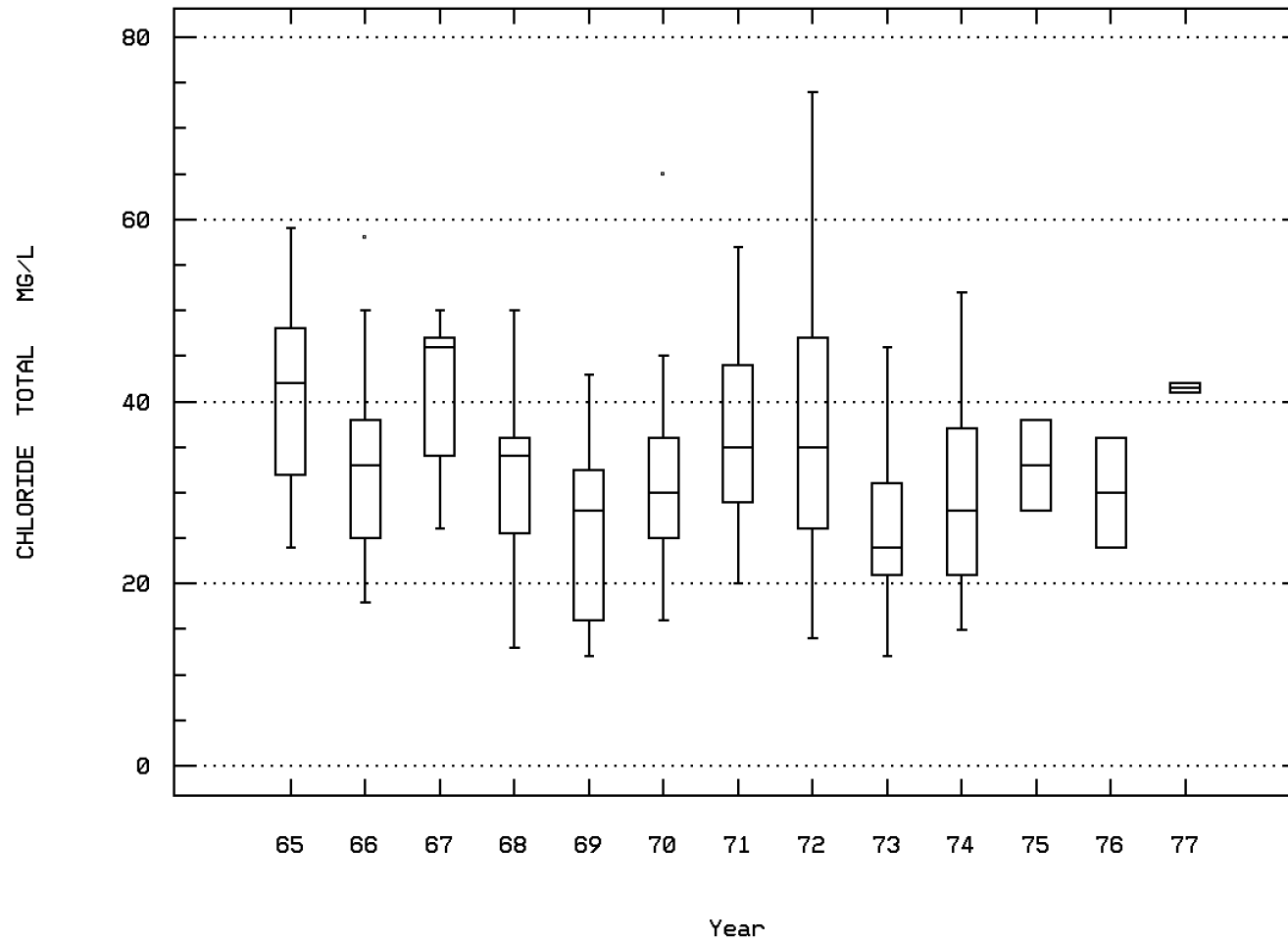
HARDNESS, NON-CARBONATE (MG/L AS CaCO3)



SCIOTO R AT CHILLICOTHE OH

Station: HOCU0028 Parameter Code: 00940

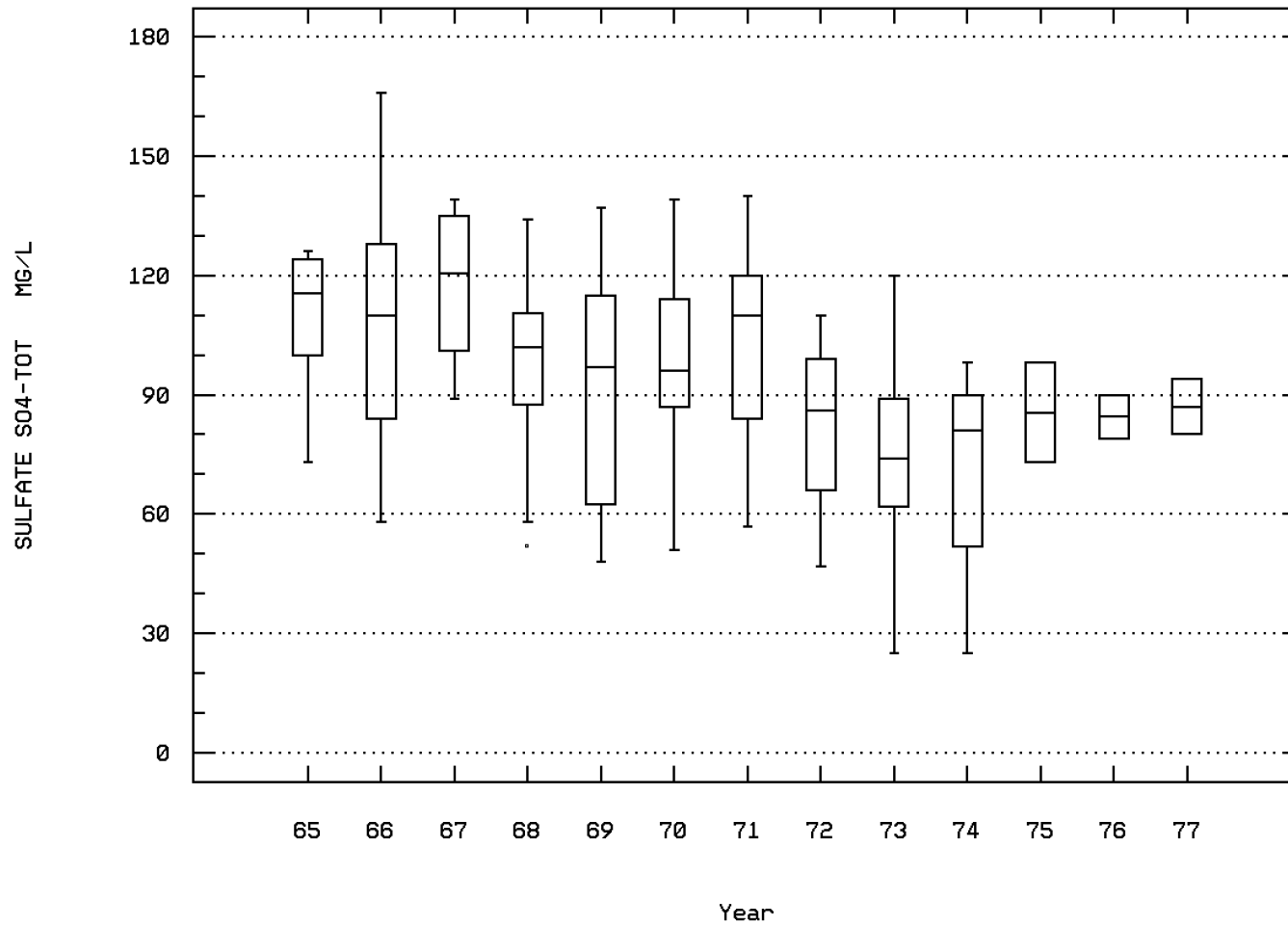
CHLORIDE, TOTAL IN WATER



SCIOTO R AT CHILLICOTHE OH

Station: HOCU0028 Parameter Code: 00945

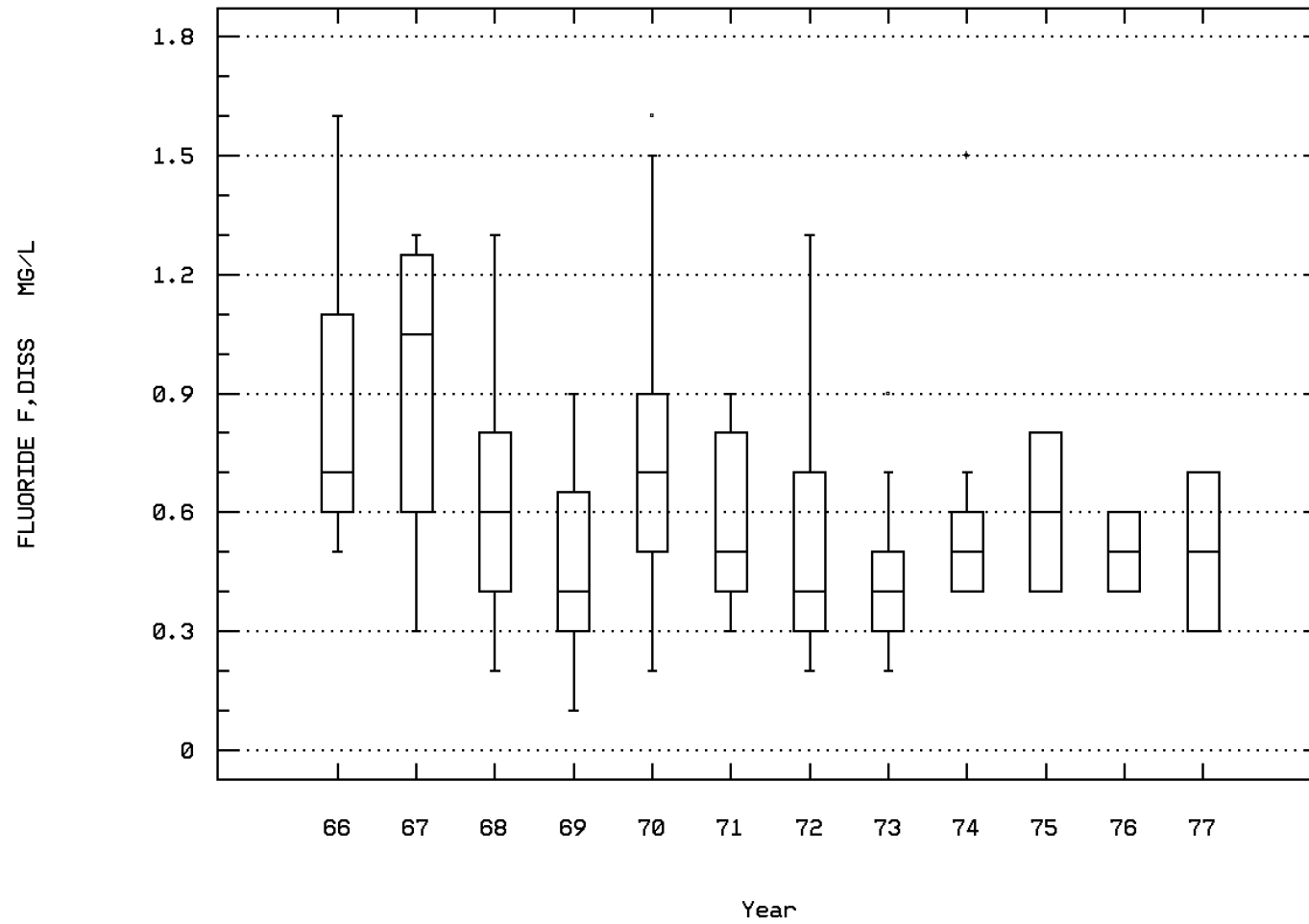
SULFATE, TOTAL (MG/L AS SO4)



SCIOTO R AT CHILLICOTHE OH

Station: HOCU0028 Parameter Code: 00950

FLUORIDE, DISSOLVED (MG/L AS F)



SCIOTO R AT CHILLICOTHE OH

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	28	19.5	18.575	26.	9.	19.826	4.453	11.9	15.75	22.	24.5
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	22	594.	819.727	3980.	365.	617848.303	786.033	396.	442.	829.25	1686.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	33	726.	711.97	943.	458.	12346.093	111.113	542.8	640.	787.	834.8
00300	OXYGEN, DISSOLVED MG/L	09/12/66-06/23/77	2	7.2	7.2	7.8	6.6	0.72	0.849	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/12/66-06/23/77	2	77.5	77.5	89.	66.	264.5	16.263	**	**	**	**
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	17	7.5	7.612	8.6	7.1	0.214	0.462	7.18	7.2	7.9	8.44
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	17	7.5	7.442	8.6	7.1	0.244	0.494	7.18	7.2	7.9	8.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	17	0.032	0.036	0.079	0.003	0.001	0.026	0.004	0.013	0.063	0.066
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	27	207.	204.852	315.	125.	1206.593	34.736	156.8	195.	221.	236.
00440	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	33	252.	246.091	384.	152.	1553.835	39.419	195.	230.	264.	279.2
00445	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	33	0.	0.848	13.	0.	7.07	2.659	0.	0.	0.	4.8
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	30	309.	298.767	348.	200.	1244.323	35.275	233.	279.	322.25	331.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	30	97.5	100.067	139.	68.	416.685	20.413	69.7	83.5	116.	127.9
00940	CHLORIDE,TOTAL IN WATER MG/L	08/30/65-06/23/77	33	36.	36.455	58.	21.	80.318	8.962	24.	29.5	43.	48.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	33	110.	107.788	166.	64.	617.047	24.84	71.2	89.	127.5	136.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	27	0.9	0.863	1.6	0.3	0.099	0.315	0.4	0.7	1.	1.42
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	28	454.	434.643	532.	276.	4320.608	65.731	327.6	396.	482.5	512.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	23	783.	1194.435	6110.	453.	1481854.053	1217.314	543.6	618.	965.	2434.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	23	0.61	0.59	0.72	0.38	0.008	0.088	0.444	0.54	0.66	0.7
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	24	12.	20.046	160.	0.5	946.137	30.759	7.45	9.275	19.5	32.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	59	5.	5.788	21.	0.	16.898	4.111	1.5	3.	8.5	11.
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	46	2210.	4953.826	25700.	412.	39565276.814	6290.094	696.9	972.5	6185.	17750.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	73	675.	648.849	884.	259.	18809.213	137.147	424.6	554.	744.	809.2
00300	OXYGEN, DISSOLVED MG/L	09/12/66-06/23/77	3	11.	10.633	11.7	9.2	1.663	1.29	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/12/66-06/23/77	3	85.	85.333	88.	83.	6.333	2.517	**	**	**	**
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	40	7.6	7.683	8.7	6.8	0.233	0.483	7.11	7.3	7.975	8.49
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	40	7.6	7.471	8.7	6.8	0.279	0.528	7.11	7.3	7.975	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	40	0.025	0.034	0.158	0.002	0.001	0.032	0.003	0.011	0.05	0.078
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	62	191.	180.742	236.	89.	1534.981	39.179	113.3	157.5	211.	224.4
00440	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	75	228.	219.133	314.	108.	2296.604	47.923	138.6	190.	256.	274.
00445	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	74	0.	2.392	18.	0.	20.817	4.563	0.	0.	2.25	10.5
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	71	310.	293.746	393.	164.	2974.449	54.539	191.4	260.	330.	357.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	71	112.	108.606	145.	65.	386.928	19.67	80.6	94.	123.	130.
00940	CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	75	33.	34.24	65.	13.	130.347	11.417	20.6	26.	42.	48.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/66-06/23/77	75	98.	93.76	140.	25.	678.077	26.04	56.	75.	116.	126.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	66	0.4	0.553	1.6	0.2	0.092	0.303	0.3	0.375	0.7	0.93
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/65-07/18/73	63	424.	417.333	554.	220.	7213.419	84.932	294.8	356.	484.	526.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	55	3160.	4522.297	17200.1	601.	14807169.473	3848.009	1106.004	1550.	5810.	9928.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	55	0.56	0.558	0.75	0.3	0.012	0.112	0.408	0.47	0.64	0.698
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	54	16.	16.319	33.	4.6	31.933	5.651	9.4	12.75	20.	24.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/65-06/23/77	77	20.	18.327	27.	5.	37.042	6.086	8.	14.	23.	25.
00060	FLOW, STREAM, MEAN DAILY CFS	08/30/65-09/22/71	56	2030.	3816.429	16000.	451.	15161487.522	3893.775	531.8	970.	5440.	10930.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/65-06/23/77	87	622.	597.701	818.	313.	15128.793	122.999	423.4	470.	707.	751.

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Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00300	OXYGEN, DISSOLVED MG/L	09/12/66-06/23/77	10	5.5	5.69	10.8	1.	9.739	3.121	1.17	3.6	8.075	10.76
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/12/66-06/23/77	10	59.5	65.9	130.	11.	1410.767	37.56	13.1	41.75	97.5	129.
00400	PH (STANDARD UNITS)	08/30/65-06/23/77	47	7.6	7.696	8.6	7.	0.223	0.472	7.18	7.3	8.2	8.42
00400	CONVERTED PH (STANDARD UNITS)	08/30/65-06/23/77	47	7.6	7.495	8.6	7.	0.264	0.514	7.18	7.3	8.2	8.42
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/65-06/23/77	47	0.025	0.032	0.1	0.003	0.001	0.026	0.004	0.006	0.05	0.066
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/30/66-06/23/77	82	185.	168.756	236.	0.	3195.94	56.533	115.2	135.75	210.	223.8
00440	BICARBONATE ION (MG/L AS HCO3)	08/30/65-06/23/77	89	224.	215.236	292.	126.	2134.887	46.205	146.	169.	253.	274.
00445	CARBONATE ION (MG/L AS CO3)	08/30/65-06/23/77	88	0.	2.091	18.	0.	18.52	4.304	0.	0.	0.	11.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/30/65-06/23/77	87	290.	278.345	357.	160.	2861.298	53.491	200.	235.	320.	340.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	08/30/65-06/23/77	86	99.	98.279	140.	45.	454.509	21.319	68.4	82.	114.	128.3
00940	CHLORIDE, TOTAL IN WATER MG/L	08/30/65-06/23/77	89	28.	29.438	74.	12.	134.022	11.577	16.	22.	36.	41.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/20/65-06/23/77	88	88.5	86.966	139.	34.	600.263	24.5	52.9	65.25	102.	122.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/01/66-06/23/77	80	0.5	0.55	1.5	0.1	0.068	0.261	0.3	0.4	0.7	0.89
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/30/65-07/18/73	76	380.	374.289	526.	208.	6544.075	80.895	262.	304.	447.	470.
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/30/66-06/23/77	73	2040.01	3773.167	14300.	661.	10713832.81	3273.199	802.	1380.	4985.	9488.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/30/66-06/23/77	72	0.525	0.513	0.72	0.28	0.011	0.106	0.36	0.418	0.6	0.63
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/66-07/18/73	69	16.	16.73	37.	6.3	40.087	6.331	9.6	12.5	20.	24.

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Station Inventory for Station: HOCU0029

NPS Station ID: HOCU0029
 Location: SCIOTO RIVER AT CHILLILOCOTHE OH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060002
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060002078
 RF3 Index: 05060002092000.00
 Description:

LAT/LON: 39.341392/ -82.971115

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 6.390
 RF3 Mile Point: 0.11

Agency: 31HEIDRV
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): USGS03231500
 Within Park Boundary: No

Date Created: 10/17/98

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 6.30
 Distance from RF3: 0.10

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: HOCU0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061 FLOW, STREAM, INSTANTANEOUS CFS	04/23/96-09/08/98	936	2242.	5756.136	41672.	0.	58078244.986	7620.908	0.	898.	8095.5	17424.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/96-09/08/98	926	667.	636.184	1010.	210.	25414.191	159.418	415.7	500.	756.	840.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/23/96-09/08/98	878	64.5	111.875	1155.	10.	15773.412	125.592	17.	32.	150.	263.1
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/23/96-09/08/98	491	0.088	0.11	0.55	0.	0.005	0.069	0.056	0.066	0.127	0.192
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	04/23/96-09/08/98	927	36.	46.541	613.	-84.	2865.502	53.53	-3.	17.	69.	106.2
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/23/96-09/08/98	926	0.886	1.018	4.029	0.014	0.242	0.492	0.529	0.656	1.29	1.71
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/23/96-09/08/98	927	3.3	3.455	10.3	0.4	1.854	1.362	2.1	2.5	3.9	4.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/23/96-09/08/98	925	0.296	0.333	2.079	0.039	0.025	0.157	0.199	0.234	0.385	0.503
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/23/96-09/08/98	902	0.098	0.117	0.686	-0.031	0.006	0.074	0.052	0.073	0.152	0.217
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	04/23/96-03/25/98	267	5.7	5.867	12.7	0.	5.858	2.42	4.2	4.8	6.9	9.2
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/23/96-03/25/98	270	5.6	5.644	10.4	0.	4.223	2.055	4.2	4.675	6.8	8.4
00685 CARBON, TOTAL INORGANIC (MG/L AS C)	04/23/96-03/25/98	267	39.	37.063	56.	0.	172.707	13.142	24.38	30.5	46.1	51.6
00691 CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/23/96-03/25/98	271	37.4	35.713	53.4	0.	158.899	12.606	23.04	28.9	44.5	49.44
00916 CALCIUM, TOTAL (MG/L AS CA)	04/23/96-08/25/98	704	72.7	70.876	99.9	0.02	192.306	13.867	51.35	62.625	80.9	87.2
00927 MAGNESIUM, TOTAL (MG/L AS MG)	04/23/96-08/25/98	705	24.7	23.736	34.7	0.15	22.665	4.761	16.66	21.	27.2	29.04
00929 SODIUM, TOTAL (MG/L AS NA)	04/23/96-08/25/98	603	24.22	24.327	45.32	0.28	83.531	9.14	11.828	16.43	31.61	36.676
00937 POTASSIUM, TOTAL MG/L AS K)	04/23/96-08/25/98	128	5.41	5.502	16.21	0.065	1.511	1.229	5.06	5.183	5.74	6.125
00940 CHLORIDE, TOTAL IN WATER MG/L	04/23/96-09/08/98	924	41.	38.994	123.	10.	223.9	14.963	19.	25.	50.	59.
00945 SULFATE, TOTAL (MG/L AS SO4)	04/23/96-09/08/98	911	66.	68.093	309.	12.	1294.326	35.977	31.	41.	85.	97.
00955 SILICA, DISSOLVED (MG/L AS SI02)	04/23/96-09/08/98	927	5.7	5.462	9.9	0.5	2.561	1.6	3.3	4.7	6.4	7.2
01007 BARIUM, TOTAL (UG/L AS BA)	04/23/96-08/25/98	710	81.	84.477	254.	2.	422.45	20.554	66.	73.	93.25	105.
01027 CADMIUM, TOTAL (UG/L AS CD)	04/23/96-09/08/98	783	3.	4.82	494.	0.	709.544	26.637	0.	0.	4.	6.
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/23/96-08/25/98	212 ##	0.5	18.674	1648.	0.02	15923.902	126.19	0.15	0.35	13.	18.
01042 COPPER, TOTAL (UG/L AS CU)	04/23/96-08/25/98	696	33.	37.121	137.	0.5	298.624	17.281	21.	27.	42.	55.
01045 IRON, TOTAL (UG/L AS FE)	04/23/96-08/25/98	329 ##	0.25	27.093	1999.	0.	42748.081	206.756	0.15	0.2	0.4	11.
01051 LEAD, TOTAL (UG/L AS PB)	04/23/96-08/25/98	240	24.	27.732	134.	0.025	792.02	28.143	0.5	1.5	38.75	60.9
01055 MANGANESE, TOTAL (UG/L AS MN)	04/23/96-08/25/98	496 ##	0.025	0.226	22.2	0.	3.779	1.944	0.015	0.02	0.04	0.045
01082 STRONTIUM, TOTAL (UG/L AS SR)	04/23/96-08/25/98	711	1351.	1289.004	2398.	-2.	168861.539	410.928	712.4	968.	1585.	1763.6
01092 ZINC, TOTAL (UG/L AS ZN)	04/23/96-08/25/98	694	16.5	23.306	216.	0.01	353.197	18.794	10.	12.	29.	46.5
01105 ALUMINUM, TOTAL (UG/L AS AL)	04/23/96-08/25/98	703	835.	1713.986	14530.	0.35	4107584.607	2026.718	202.	325.	2422.	4372.4
38477 LINURON WATER, TOTUG/L	04/29/96-07/22/97	36 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	29	2.14	3.923	16.	0.	18.844	4.341	0.55	0.984	5.712	10.625
39055 SIMAZINE IN WHOLE WATER (UG/L)	04/29/96-07/22/97	23 ##	0.05	0.257	2.	0.	0.343	0.586	0.	0.	0.1	1.6
39356 METOLACHLOR(DUAL) IN WHOLE WATER UG/L	04/29/96-07/22/97	37	1.27	2.221	9.66	0.09	6.4	2.53	0.326	0.575	3.485	6.162
46313 PHORATE IN WHOLE WATER SAMPLE (UG/L)	04/29/96-07/22/97	37 ##	0.	0.026	0.95	0.	0.024	0.156	0.	0.	0.	0.
46373 DEETHYLATRAZINE, TOTAL, WATER UG/L	04/29/96-07/22/97	32 ##	0.111	0.113	0.387	0.	0.012	0.11	0.	0.	0.178	0.307
46374 DEISOPROPYLATRAZINE, TOTAL, WATER UG/L	04/29/96-07/22/97	36 ##	0.	0.033	0.366	0.	0.006	0.077	0.	0.	0.036	0.097
77825 ALACHLOR WHOLE WATER,UG/L	04/29/96-07/22/97	27 ##	0.	0.072	1.667	0.	0.102	0.319	0.	0.	0.025	0.041

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0029

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	37 ##	0.	0.022	0.648	0.	0.011	0.106	0.	0.	0.007	0.025
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	37 ##	0.	0.043	1.592	0.	0.068	0.262	0.	0.	0.	0.
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	36 ##	0.	0.048	1.709	0.	0.081	0.285	0.	0.	0.	0.
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	04/29/96-07/22/97	24 ##	0.	0.075	1.563	0.	0.101	0.317	0.	0.	0.031	0.041
81410	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	04/29/96-07/22/97	35 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	33	0.839	1.477	7.948	0.	3.133	1.77	0.	0.	2.699	3.848
81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	04/29/96-07/22/97	34 ##	0.	0.	0.016	0.	0.	0.003	0.	0.	0.	0.
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	04/29/96-07/22/97	36 ##	0.	0.	0.006	0.	0.	0.001	0.	0.	0.	0.
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	04/29/96-07/22/97	31 ##	0.	0.027	0.817	0.	0.022	0.147	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0029

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	927	850	0.92	116	109	0.94	233	219	0.94	578	522	0.90		
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	927	6	0.01	116	0	0.00	233	0	0.00	578	6	0.01		
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	924	0	0.00	116	0	0.00	233	0	0.00	575	0	0.00		
		Drinking Water	250.	924	0	0.00	116	0	0.00	233	0	0.00	575	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	911	7	0.01	115	4	0.03	233	3	0.01	563	0	0.00		
01007	BARIUM, TOTAL	Drinking Water	2000.	710	0	0.00	105	0	0.00	219	0	0.00	386	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	783	281	0.36	86	24	0.28	200	74	0.37	497	183	0.37		
		Drinking Water	5.	783	175	0.22	86	7	0.08	200	43	0.22	497	125	0.25		
01034	CHROMIUM, TOTAL	Drinking Water	100.	212	3	0.01	23	0	0.00	51	0	0.00	138	3	0.02		
01042	COPPER, TOTAL	Fresh Acute	18.	696	678	0.97	100	97	0.97	215	210	0.98	381	371	0.97		
		Drinking Water	1300.	696	0	0.00	100	0	0.00	215	0	0.00	381	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	240	15	0.06	32	0	0.00	48	0	0.00	160	15	0.09		
		Drinking Water	15.	240	159	0.66	32	18	0.56	48	27	0.56	160	114	0.71		
01092	ZINC, TOTAL	Fresh Acute	120.	694	3	0.00	101	0	0.00	217	1	0.00	376	2	0.01		
		Drinking Water	5000.	694	0	0.00	101	0	0.00	217	0	0.00	376	0	0.00		
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	29	12	0.41	1	0	0.00	3	0	0.00	25	12	0.48		
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	23	0	0.00	1	0	0.00	5	0	0.00	17	0	0.00		
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	36	0	0.00	1	0	0.00	5	0	0.00	30	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0030

NPS Station ID: HOCU0030	LAT/LON: 39.320559/ -82.971948	Agency: 21OHIO	Date Created: 08/09/80
Location: PAINT CREEK AT CHILLICOTHE - S.R. 772		FIPS State/County: 39141 OHIO/ROSS	
Station Type: /TYPA/AMBNT/STREAM		STORET Station ID(s): V10P06	
RMI-Indexes: 1021500 007720 13190 1110		Within Park Boundary: No	
RMI-Miles: 0953.80 0624.93 063.50 003.80			
HUC: 05060003	Depth of Water: 0	Aquifer:	
Major Basin: OHIO RIVER	Elevation: 0	Water Body Id:	
Minor Basin: SCIOTO RIVER		ECO Region:	
RF1 Index: 05060003001	RF1 Mile Point: 3.000	Distance from RF1: 0.00	On/Off RF1: ON
RF3 Index: 05060003001300.00	RF3 Mile Point: 0.00	Distance from RF3: 0.03	On/Off RF3:
Description:			
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS		LOCATION-ROSS CO.,PAINT CREEK AT SR772 BRIDGE,CHILLICOTHE	
RMI=624.93/63.50/3.80		COLLECTION-OHIO EPA-CENTRAL OFFICE	
WATER USE DESIGNATION AS OF 5/30/80-WWH			

Parameter Inventory for Station: HOCU0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/15/79-10/23/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-09/25/97	25	20.2	18.62	25.4	2.8	28.418	5.331	11.6	15.4	22.6	25.16
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/92-09/25/97	14	540.	887.643	4293.	102.	1280771.786	1131.712	110.	354.5	754.5	3371.5
00065	STAGE, STREAM (FEET)	07/09/92-09/25/97	14	5.89	6.31	10.29	5.07	2.065	1.437	5.1	5.618	6.213	9.515
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/25/97	18	506.5	539.333	1300.	358.	42280.118	205.621	394.	422.5	588.5	670.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-10/22/97	15	553.	517.533	662.	6.	23596.124	153.61	242.4	507.	580.	630.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/79-09/25/97	25	8.2	8.572	13.	6.6	2.959	1.72	6.86	7.35	8.95	12.32
00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-10/22/97	24 ##	1.	1.242	3.8	0.5	0.52	0.721	0.5	1.	1.475	2.15
00340	COD, .25N K2CR2O7 MG/L	07/24/85-10/22/97	19	11.	18.579	167.	5.	1315.368	36.268	5.	5.	15.	19.
00400	PH (STANDARD UNITS)	07/24/85-09/25/97	22	7.8	7.81	8.51	6.87	0.198	0.445	7.139	7.55	8.088	8.47
00400	CONVERTED PH (STANDARD UNITS)	07/24/85-09/25/97	22	7.8	7.586	8.51	6.87	0.25	0.5	7.139	7.55	8.087	8.47
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/85-09/25/97	22	0.016	0.026	0.135	0.003	0.001	0.031	0.003	0.008	0.029	0.073
00403	PH, LAB, STANDARD UNITS SU	10/10/79-09/24/92	6	7.85	7.783	8.	7.4	0.066	0.256	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/10/79-09/24/92	6	7.825	7.718	8.	7.4	0.071	0.266	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/79-09/24/92	6	0.015	0.019	0.04	0.01	0.	0.012	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/16/97-10/22/97	11	203.	193.545	221.	136.	843.273	29.039	137.2	184.	215.	220.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-10/22/97	23	14.	38.174	352.	2.5	5972.741	77.284	2.5	7.	22.	136.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-10/22/97	26 ##	0.025	0.053	0.36	0.01	0.005	0.07	0.025	0.025	0.055	0.115
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/85-09/25/97	9 ##	0.01	0.018	0.05	0.01	0.	0.014	0.01	0.01	0.025	0.05
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	25	0.3	0.504	2.9	0.1	0.356	0.597	0.1	0.2	0.5	1.22
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	24	1.54	1.918	5.58	0.53	1.548	1.244	0.77	1.	2.373	4.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-10/22/97	27	0.06	0.078	0.25	0.025	0.003	0.052	0.025	0.025	0.11	0.142
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-10/22/97	6	3.35	3.433	5.5	2.	1.355	1.164	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-10/22/97	23	284.	280.348	329.	207.	1041.601	32.274	232.4	266.	307.	318.8
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/23/79-10/22/97	24	66.35	64.688	81.	45.	81.476	9.026	51.5	59.925	70.	76.35
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/21/85-08/21/85	1	51700.	51700.	51700.	51700.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/22/97	24	29.25	29.367	33.8	23.	8.298	2.881	24.85	27.25	31.75	33.25
00929	SODIUM, TOTAL (MG/L AS Na)	07/09/92-10/22/97	11	9.	9.091	12.	6.	2.691	1.64	6.4	8.	10.	11.8
00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-10/22/97	7	3.	3.143	5.	2.	0.81	0.9	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-10/22/97	10	16.	17.	25.	13.	11.556	3.399	13.2	15.	18.5	24.5
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/85-10/22/97	16	48.	49.813	86.	29.	209.363	14.469	31.1	41.5	58.75	74.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-10/22/97	5	0.25	0.234	0.3	0.15	0.004	0.059	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	21 ##	1.	1.095	2.	1.	0.09	0.301	1.	1.	1.8
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/06/92-10/06/92	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/06/92-10/06/92	1	97.4	97.4	97.4	97.4	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/22/97	25 ##	0.1	0.54	5.	0.1	1.316	1.147	0.1	0.1	2.5
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-10/06/92	2	0.38	0.38	0.56	0.2	0.065	0.255	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-10/06/92	2 ##	8.8	8.8	15.6	2.	92.48	9.617	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	25 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	25 ##	5.	5.56	20.	1.	28.257	5.316	1.	1.5	15.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/21/85-10/06/92	2	156.25	156.25	306.	6.5	44850.125	211.778	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/79-10/22/97	19	380.	1015.474	6340.	111.	2605130.041	1614.042	116.	158.	3540.
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	25 ##	1.	3.58	33.	1.	48.702	6.979	1.	1.	12.6
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/21/85-10/06/92	2	16.2	16.2	28.7	3.7	312.5	17.678	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-10/22/97	6	23.5	58.167	240.	14.	7976.167	89.309	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	25 ##	20.	24.4	50.	20.	109.	10.44	20.	20.	50.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/21/85-10/06/92	2	18.25	18.25	24.5	12.	78.125	8.839	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	27 ##	5.	16.704	102.	5.	493.832	22.222	5.	5.	43.2
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/21/85-10/06/92	2	55.	55.	77.	33.	968.	31.113	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/16/97-10/22/97	11 ##	100.	301.727	1720.	100.	232561.618	482.246	100.	100.	1463.8
01147	SELENIUM, TOTAL (UG/L AS SE)	07/24/85-10/22/97	13 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/06/92-10/06/92	1	21000.	21000.	21000.	21000.	0.	0.	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/27/97	4	175.	222.5	460.	80.	31891.667	178.582	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/27/97	4	2.185	2.234	2.663	1.903	0.135	0.367	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/27/97	4	2.185	2.234	2.663	1.903	0.135	0.367	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/85-01/06/87	8 ##	5.	54.5	384.	5.	17744.	133.207	**	**	**
34010	TOLUENE IN WTR SMPL E GC-MS, HEXADECONE EXTR.(UG/L)	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34030	BENZENE IN WTR SMPL E GC-MS, HEXADECONE EXTR.(UG/L)	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34205	ACENAPHTHENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34220	ANTHRACENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**
34223	ANTHRACENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34237	BENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	03/18/86-03/18/86	1 ##	1.	1.	1.	1.	0.	0.	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	03/18/86-03/18/86	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34257	B-BHC-BETA DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	03/18/86-03/18/86	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	03/18/86-03/18/86	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	03/18/86-03/18/86	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34290	BROMOFORM DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	1.1	1.1	1.1	1.1	0.	0.	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**
34299	CARBON TETRACHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**
34301	CHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**
34304	CHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**
34309	CHLORODIBROMOMETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**
34311	CHLOROETHANE TOTWUG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
34314	CHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	6.	6.	6.	6.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
34318	CHLOROFORM DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34330	DICHLOROBROMOMETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	03/18/86-03/18/86	1 ##	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	03/18/86-03/18/86	1 ##	1.65	1.65	1.65	1.65	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34374	ETHYLBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	03/18/86-03/18/86	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	03/18/86-03/18/86	1 ##	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	03/18/86-03/18/86	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	03/18/86-03/18/86	1 ##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	03/18/86-03/18/86	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
34416	METHYL BROMIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	03/18/86-03/18/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34421	METHYL CHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	03/18/86-03/18/86	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
34426	METHYLENE CHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	1	33.	33.	33.	33.	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	03/18/86-03/18/86	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	03/18/86-03/18/86	1 ##	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	03/18/86-03/18/86	1 ##	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34460	PCP (PENTACHLOROPHENOL) SUSPUG/L	08/21/85-08/21/85	1 ##	950.	950.	950.	950.	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34478	TETRACHLOROETHYLENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34495	VINYL CHLORIDE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34499	1,1-DICHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34504	1,1-DICHLOROETHYLENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	03/18/86-03/18/86	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34514	1,1,2-TRICHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34519	1,1,2,2-TETRACHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	03/18/86-03/18/86	1 ##	1.85	1.85	1.85	1.85	0.	0.	**	**	**	**
34524	BENZO(GH)PERYLENE1,12-BENZOPERYLENDRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENE1,2-BENZANTHRACENDRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34534	1,2-DICHLOROETHANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
34536	1,2-DICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34544	1,2-DICHLOROPROPANE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34549	TRANS-1,2-DICHLOROETHENE, IN SED. DRY WT. UG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTISMKG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	03/18/86-03/18/86	1 ##	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34579	2-CHLOROETHYL VINYL ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	03/18/86-03/18/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	03/18/86-03/18/86	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	03/18/86-03/18/86	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	03/18/86-03/18/86	1 ##	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	03/18/86-03/18/86	1 ##	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	03/18/86-03/18/86	1 ##	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	950.	950.	950.	950.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	03/18/86-03/18/86	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	03/18/86-03/18/86	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	385.	385.	385.	385.	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	03/18/86-03/18/86	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	03/18/86-03/18/86	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	08/21/85-08/21/85	1 ##	950.	950.	950.	950.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	03/18/86-03/18/86	1 ##	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	03/18/86-03/18/86	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	03/18/86-03/18/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34697	TRANS-1,3-DICHLOROPROPENE SEDIMENT DRY WGT UG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
34702	CIS-1,3-DICHLOROPROPENE SEDIMENT DRY WEIGHT UG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	03/18/86-03/18/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	03/18/86-03/18/86	1 ##	3.05	3.05	3.05	3.05	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/21/85-08/21/85	1 ##	950.	950.	950.	950.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	08/21/85-08/21/85	1 ##	950.	950.	950.	950.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	03/18/86-03/18/86	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/21/85-08/21/85	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/21/85-08/21/85	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/21/85-08/21/85	1 ##	23.	23.	23.	23.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	08/21/85-08/21/85	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	08/21/85-08/21/85	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
39491	PCB - 1221 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	08/21/85-08/21/85	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	08/21/85-08/21/85	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	08/21/85-08/21/85	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	08/21/85-08/21/85	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	08/21/85-08/21/85	1 ##	23.	23.	23.	23.	0.	0.	**	**	**	**
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	08/21/85-08/21/85	1 ##	23.	23.	23.	23.	0.	0.	**	**	**	**
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	08/21/85-08/21/85	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
39700	HEXACHLORO BENZENE IN WHOLE WATER SAMPLE (UG/L)	03/18/86-03/18/86	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
39701	HEXACHLORO BENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	03/18/86-03/18/86	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39705	HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/85-10/22/97	22	354.	360.273	608.	254.	4497.636	67.064	306.2	324.	365.	430.4
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/25/97	8 ##	0.1	0.188	0.5	0.1	0.021	0.143	**	**	**	**
75059	ACETONE SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
75078	METHYL ETHYL KETONE SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
75166	2-HEXANONE SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
75169	METHYL ISOBUTYL KETONE SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
75192	STYRENE SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
75212	BENZYL ALCOHOL SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
75315	BENZOIC ACID SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	950.	950.	950.	950.	0.	0.	**	**	**	**
75647	DIBENZOFURAN SEDIMENT,DRY WGT,UG/KG	08/21/85-08/21/85	1 ##	195.	195.	195.	195.	0.	0.	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	03/18/86-03/18/86	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
78544	CARBON DISULFIDE IN SEDIMENT UG/KG	08/21/85-08/21/85	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/85-10/09/85	5	1.	1.	1.5	0.5	0.125	0.354	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/85-10/09/85	5	2.3	2.36	3.3	1.7	0.398	0.631	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: HOCU0030

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	25	0	0.00	11	0	0.00	2	0	0.00	12	0	0.00		
00400	PH	Fresh Chronic	9.	22	0	0.00	9	0	0.00	2	0	0.00	11	0	0.00		
		Other-Lo Lim.	6.5	22	0	0.00	9	0	0.00	2	0	0.00	11	0	0.00		
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	3	0	0.00				3	0	0.00		
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00				3	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	5	0	0.00				4	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	24	0	0.00	11	0	0.00				13	0	0.00		
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	4	0	0.00				6	0	0.00		
		Drinking Water	250.	10	0	0.00	4	0	0.00				6	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	16	0	0.00	7	0	0.00				9	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	3	0	0.00				2	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	21	0	0.00	9	0	0.00				12	0	0.00		
		Drinking Water	50.	21	0	0.00	9	0	0.00				12	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	25	1	0.04	12	0	0.00				13	1	0.08		
		Drinking Water	5.	25	1	0.04	12	0	0.00				13	1	0.08		
01034	CHROMIUM, TOTAL	Drinking Water	100.	25	0	0.00	12	0	0.00				13	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	25	1	0.04	12	0	0.00				13	1	0.08		
		Drinking Water	1300.	25	0	0.00	12	0	0.00				13	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	25	0	0.00	12	0	0.00				13	0	0.00		
		Drinking Water	15.	25	2	0.08	12	1	0.08				13	1	0.08		
01067	NICKEL, TOTAL	Fresh Acute	1400.	25	0	0.00	12	0	0.00				13	0	0.00		
		Drinking Water	100.	25	0	0.00	12	0	0.00				13	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0030

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01092 ZINC, TOTAL	Fresh Acute	120.	27	0	0.00	12	0	0.00	2	0	0.00	13	0	0.00			
	Drinking Water	5000.	27	0	0.00	12	0	0.00	2	0	0.00	13	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	13	0	0.00	6	0	0.00	1	0	0.00	6	0	0.00			
	Drinking Water	50.	13	0	0.00	6	0	0.00	1	0	0.00	6	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	2	0.50							4	2	0.50			
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
32103 1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
32104 BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105 DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
	Drinking Water	1000.	1	0	0.00							1	0	0.00			
34205 ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00							1	0	0.00			
34301 CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34371 ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
	Drinking Water	700.	1	0	0.00							1	0	0.00			
34376 FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00							1	0	0.00			
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
34396 HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00							1	0	0.00			
34403 INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00												
34408 ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00							1	0	0.00			
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34447 NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00							1	0	0.00			
34452 PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34460 PCP (PENTACHLOROPHENOL), SUSPENDED	Fresh Acute	20.	0 &	0	0.00												
	Drinking Water	1.	0 &	0	0.00												
34461 PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34475 TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
34501 1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506 1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34536 1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34541 1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00							1	0	0.00			
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00							1	0	0.00			
34566 1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571 1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00							1	0	0.00			
34586 2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00							1	0	0.00			
34601 2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00							1	0	0.00			
34606 2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00							1	0	0.00			
34611 2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00							1	0	0.00			
34694 PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00							1	0	0.00			
34696 NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00							1	0	0.00			
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	1.	0 &	0	0.00												
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00							1	0	0.00			
	Drinking Water	6.	1	0	0.00							1	0	0.00			
39175 VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00							1	0	0.00			
39180 TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
	Drinking Water	5.	1	0	0.00							1	0	0.00			
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00							1	0	0.00			
	Drinking Water	1.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0030

Parameter	Std. Type	Std. Value	Total			-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00						1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	4	0	0.00			4	0	0.00			
		Drinking Water	2.	8	0	0.00	4	0	0.00			4	0	0.00			
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	0.00											

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-09/25/97	11	16.	16.455	21.9	12.	8.841	2.973	12.2	15.1	18.5	21.66
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/79-09/25/97	11	8.8	8.918	12.8	6.9	2.286	1.512	6.96	8.4	9.3	12.12
00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-10/22/97	12 ##	1.	1.108	2.5	0.5	0.295	0.543	0.5	1.	1.	2.29
00400	PH (STANDARD UNITS)	07/24/85-09/25/97	9	7.68	7.662	8.4	7.1	0.225	0.474	7.1	7.265	8.075	8.4
00400	CONVERTED PH (STANDARD UNITS)	07/24/85-09/25/97	9	7.68	7.485	8.4	7.1	0.261	0.51	7.1	7.265	8.075	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/85-09/25/97	9	0.021	0.033	0.079	0.004	0.001	0.026	0.004	0.011	0.055	0.079
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-10/22/97	10	8.	42.15	352.	2.5	11882.725	109.008	2.5	2.5	12.75	318.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-10/22/97	12 ##	0.025	0.038	0.1	0.01	0.001	0.03	0.015	0.025	0.036	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	12	0.3	0.375	1.4	0.1	0.133	0.365	0.1	0.1	0.5	1.13
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	11	0.97	1.219	2.38	0.53	0.34	0.583	0.564	0.84	1.54	2.328
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-10/22/97	12	0.085	0.082	0.15	0.025	0.002	0.044	0.025	0.034	0.118	0.147
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-10/22/97	10	292.	283.5	329.	233.	1177.611	34.316	233.1	247.5	310.25	328.1
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/23/79-10/22/97	11	67.6	65.5	81.	51.	100.474	10.024	51.2	52.2	71.	80.14
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/22/97	11	31.	30.018	33.5	25.	7.834	2.799	25.2	28.	32.2	33.4
01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	9 ##	1.	1.111	2.	1.	0.111	0.333	1.	1.	1.	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/22/97	12 ##	0.1	0.5	2.5	0.1	0.873	0.934	0.1	0.1	0.1	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	12 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	12 ##	3.	4.75	15.	1.	25.477	5.048	1.	1.	5.	15.
01045	IRON, TOTAL (UG/L AS FE)	08/15/79-10/22/97	9	162.	351.889	1440.	111.	179172.361	423.288	111.	146.	406.	1440.
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	12 ##	1.	3.125	15.	1.	22.188	4.71	1.	1.	2.125	13.8
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	12 ##	20.	26.667	50.	20.	151.515	12.309	20.	20.	35.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	12 ##	5.	8.333	20.	5.	28.788	5.365	5.	5.	13.75	18.5
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/85-10/22/97	10	355.	374.	608.	302.	7459.556	86.369	304.2	328.5	379.	586.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-09/25/97	2	6.9	6.9	11.	2.8	33.62	5.798	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/79-09/25/97	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-10/22/97	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/85-09/25/97	2	8.25	8.25	8.5	8.	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/85-09/25/97	2	8.182	8.182	8.5	8.	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/85-09/25/97	2	0.007	0.007	0.01	0.003	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-10/22/97	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-10/22/97	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-10/22/97	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-10/22/97	1	269.	269.	269.	269.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/23/79-10/22/97	1	59.9	59.9	59.9	59.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-10/22/97	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	2##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/24/85-10/22/97	2	349.	349.	360.	338.	242.	15.556	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-09/25/97	12	22.6	22.558	25.4	19.6	4.326	2.08	19.78	20.5	24.7	25.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/79-09/25/97	12	7.55	7.6	8.7	6.6	0.376	0.613	6.66	7.15	8.075	8.55
00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-10/22/97	11	1.3	1.455	3.8	0.5	0.745	0.863	0.6	1.	1.7	3.4
00400	PH (STANDARD UNITS)	07/24/85-09/25/97	11	7.89	7.851	8.51	6.87	0.163	0.403	7.016	7.75	8.08	8.43
00400	CONVERTED PH (STANDARD UNITS)	07/24/85-09/25/97	11	7.89	7.622	8.51	6.87	0.221	0.47	7.016	7.75	8.08	8.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/85-09/25/97	11	0.013	0.024	0.135	0.003	0.001	0.037	0.004	0.008	0.018	0.113

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/85-10/22/97	12	18.5	37.833	151.	8.	2093.061	45.75	8.3	14.	37.25	139.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-10/22/97	13 ##	0.025	0.069	0.36	0.025	0.009	0.094	0.025	0.025	0.07	0.276
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-10/22/97	13	0.3	0.624	2.9	0.2	0.558	0.747	0.2	0.205	0.8	2.18
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-10/22/97	13	2.13	2.508	5.58	1.09	1.859	1.363	1.234	1.495	2.93	5.348
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-10/22/97	13	0.06	0.083	0.25	0.025	0.004	0.06	0.025	0.043	0.11	0.198
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/85-10/22/97	12	283.5	278.667	317.	207.	1095.879	33.104	214.5	266.75	306.5	315.5
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/23/79-10/22/97	12	66.35	64.342	76.	45.	76.144	8.726	47.13	60.5	69.825	75.1
00927	MAGNESIUM, TOTAL (MG/L AS Mg)	10/23/79-10/22/97	12	29.	28.8	33.8	23.	9.442	3.073	23.51	27.	30.9	33.26
01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/85-10/22/97	12 ##	1.	1.083	2.	1.	0.083	0.289	1.	1.	1.	1.7
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-10/22/97	13 ##	0.1	0.577	5.	0.1	1.829	1.352	0.1	0.1	0.35	3.36
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-10/22/97	13 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-10/22/97	13 ##	5.	6.308	20.	1.	31.897	5.648	1.	3.	8.	18.
01045	IRON, TOTAL (UG/L AS FE)	08/15/79-10/22/97	10	500.5	1612.7	6340.	116.	4214340.678	2052.886	121.3	279.25	3120.	6060.
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-10/22/97	13 ##	1.	4.	33.	1.	76.667	8.756	1.	1.	3.	21.
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-10/22/97	13 ##	20.	22.308	50.	20.	69.231	8.321	20.	20.	20.	38.
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-10/22/97	13 ##	15.	25.077	102.	5.	885.244	29.753	5.	5.	36.	88.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/85-10/22/97	10	354.	348.8	440.	254.	2624.178	51.227	260.2	319.	373.5	436.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0031

NPS Station ID: HOCU0031 LAT/LON: 39.341948/ -82.974170

Location: SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (RM 70.92)

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 070.92

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002078

RF3 Index: 05090201002002.62

Description:

PURPOSE - MONITOR STREAM QUALITY AND MEASURE INFLUENCE OF CONTAINER CORP. OF AMERICA AND CIRCLEVILLE STP DISCHARGES ON THE RIVER.

LOCATION - ROSS CO.; AT BRIDGE ST. BRIDGE ON U.S. 23 IN CHILLICOTHE. COLLECTION - SAMPLES ARE COLLECTED AT THE U.S.G.S. GAGING STATION

SLIGHTLY DOWNSTREAM FROM BRIDGE; BY C. HARRIS (MEAD PAPER CO.). SAMPLE ANALYZED BY MEAD PAPER CO.

DATA CAN ALSO BE FOUND UNDER OHIO EPA STATION NUMBER 601240.

Agency: 21OHIO

FIPS State/County: 39000 OHIO/

STORET Station ID(s): 600760

Within Park Boundary: No

Date Created: / /

Depth of Water: 0

Elevation: 0

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.13

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/14/79-10/31/79	3	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	768	13.25	13.116	29.	69.921	8.362	2.	5.	21.	24.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	569	2100.	4082.35	46250.	25025361.84	5002.536	766.	1100.	4885.	10540.
00065	STAGE, STREAM (FEET)	07/15/88-09/22/97	7	2.2	2.444	4.06	1.77	0.556	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	06/17/80-09/24/97	20	727.	696.1	990.	27983.884	167.284	393.4	562.5	818.	895.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	1012	680.	662.958	1200.	16700.996	129.232	480.	590.	750.	810.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	1051	8.6	8.695	17.1	1.1	2.805	4.8	6.6	11.	12.3
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	953	4.3	4.68	16.1	0.	2.145	2.3	3.2	5.7	7.4
00340	COD, .25N K2CR2O7 MG/L	06/17/80-09/24/97	31	22.	23.452	67.	5.	163.656	12.793	10.	14.	40.2
00400	PH (STANDARD UNITS)	09/21/67-09/24/97	44	7.45	7.538	8.6	6.92	0.16	0.4	7.1	7.3	8.225
00400	CONVERTED PH (STANDARD UNITS)	09/21/67-09/24/97	44	7.447	7.407	8.6	6.92	0.178	0.422	7.1	7.3	8.225
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/24/97	44	0.036	0.039	0.12	0.003	0.001	0.026	0.006	0.02	0.079
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	1013	7.9	7.915	9.	5.4	0.132	0.363	7.5	7.7	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	1013	7.9	7.64	9.	5.4	0.207	0.455	7.5	7.7	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	1013	0.013	0.023	3.981	0.001	0.018	0.134	0.004	0.008	0.032
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/21/67-09/24/97	41	217.	212.561	292.	115.	1548.152	39.347	149.2	187.	258.4
00500	RESIDUE, TOTAL (MG/L)	07/08/88-07/29/88	4	607.	613.5	680.	560.	3369.	58.043	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/24/97	58	39.	74.086	553.	8.	8440.501	91.872	15.9	26.75	174.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/80-09/24/97	41	0.06	0.106	0.49	0.01	0.011	0.107	0.025	0.025	0.27
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/17/80-09/24/97	19	0.04	0.046	0.17	0.015	0.001	0.036	0.015	0.02	0.08
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/88-07/29/88	4	2.29	2.155	2.95	1.09	0.818	0.904	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/80-09/24/97	32	0.9	0.984	2.4	0.3	0.181	0.425	0.53	0.7	1.5
00630	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	06/17/80-09/24/97	30	2.965	2.982	6.22	1.11	1.402	1.184	1.603	2.138	4.606
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/08/73-08/08/73	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	297	0.47	0.579	2.27	0.04	0.134	0.366	0.25	0.33	1.11
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/83-07/13/83	2	0.53	0.53	0.57	0.49	0.003	0.057	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/88-09/24/97	6	5.05	5.717	11.	3.8	7.19	2.681	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/08/88-08/05/88	4 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/30/81-09/24/97	34	292.	283.971	362.	152.	3440.454	58.655	201.	241.5	349.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00916	CALCIUM, TOTAL (MG/L AS CA)	10/31/79-09/24/97	34	80.5	76.721	103.	40.	186.005	13.638	57.75	66.375	86.275	90.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-09/24/97	34	27.45	26.771	45.	14.	38.984	6.244	17.	22.	31.225	32.9
00929	SODIUM, TOTAL (MG/L AS NA)	07/08/88-09/24/97	14	37.	35.286	58.	5.	287.912	16.968	8.	22.25	50.5	57.
00937	POTASSIUM, TOTAL MG/L AS K)	07/15/88-09/24/97	6	5.5	6.	9.	5.	2.4	1.549	**	**	**	**
00940	CHLORIDE, TOTAL (MG/L AS CR)	09/21/67-09/24/97	42	49.	48.429	99.	16.	198.446	14.087	32.6	39.5	54.	63.4
00945	SULFATE, TOTAL (MG/L AS SO4)	07/08/88-09/24/97	17	99.	98.412	157.	37.	941.507	30.684	46.6	84.5	119.5	141.8
00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/24/97	4	0.45	0.4	0.5	0.2	0.02	0.141	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/08/88-09/24/97	18 ##	2.	2.111	4.	1.	1.281	1.132	1.	1.	3.	4.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/07/92-10/07/92	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/15/88-07/15/88	1	82.	82.	82.	82.	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/07/92-10/07/92	1	74.4	74.4	74.4	74.4	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/05/71-07/06/72	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01027	CADMIUM, TOTAL (UG/L AS CD)	12/04/70-09/24/97	78	0.25	2.965	10.	0.	17.033	4.127	0.	0.1	5.	10.
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/92-10/07/92	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/92-10/07/92	1	18.8	18.8	18.8	18.8	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/05/71-07/06/72	12	0.	5.	40.	0.	154.545	12.432	0.	0.	0.	34.
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/04/70-09/24/97	79	15.	18.861	180.	0.	462.788	21.513	0.	10.	30.	30.
01040	COPPER, DISSOLVED (UG/L AS CU)	01/05/71-07/06/72	12	10.	19.167	130.	0.	1299.242	36.045	0.	0.	20.	97.
01042	COPPER, TOTAL (UG/L AS CU)	12/04/70-09/24/97	80	15.	16.531	70.	0.	201.186	14.184	2.05	5.	30.	30.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/07/92-10/07/92	1	17.4	17.4	17.4	17.4	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/14/79-09/24/97	35	1300.	1979.514	7060.	397.	2913361.787	1706.857	611.6	853.	2895.	4738.
01046	IRON, DISSOLVED (UG/L AS FE)	07/17/80-10/16/80	4	315.	377.5	770.	110.	83825.	289.525	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/08/74-09/24/97	36	4.	10.264	90.	0.	312.064	17.665	1.	2.	11.75	18.7
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/07/92-10/07/92	1	37.2	37.2	37.2	37.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/08/88-09/24/97	11	80.	81.727	145.	20.	1307.218	36.155	24.	56.	103.	141.
01067	NICKEL, TOTAL (UG/L AS NI)	01/08/74-09/24/97	37 ##	20.	25.811	100.	0.	327.102	18.086	20.	20.	20.	50.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	10/07/92-10/07/92	1	20.3	20.3	20.3	20.3	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/22/88-08/22/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/05/71-07/06/72	12	65.	82.5	370.	0.	9675.	98.362	0.	22.5	100.	292.
01092p	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	132	30.	52.788	1900.	0.	27801.604	166.738	0.	20.	50.	80.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/07/92-10/07/92	1	98.2	98.2	98.2	98.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/08/88-09/24/97	13	534.	834.385	4190.	260.	1056679.59	1027.949	265.2	427.	795.	2883.6
01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/24/97	5 ##	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/07/92-10/07/92	1	14900.	14900.	14900.	14900.	0.	0.	**	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	01/10/73-02/04/76	18	20.	15.556	30.	0.	226.144	15.038	0.	0.	30.	30.
01501	ALPHA, TOTAL	10/07/76-10/07/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
03501	BETA, TOTAL	10/07/76-10/07/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-08/27/97	14	422.5	1082.607	4000.	0.5	1795399.161	1339.925	50.25	161.5	1623.75	3770.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-08/27/97	14	2.614	2.545	3.602	-0.301	0.958	0.979	0.849	2.198	3.187	3.576
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-07/29/88	5	58000.	46820.	60000.	1100.	657412000.	25640.047	**	**	**	**
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/30/75-07/29/88	5	4.763	4.42	4.778	3.041	0.594	0.771	**	**	**	**
31679	LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/30/75-07/29/88	5	26320.684	26320.684	26320.684	26320.684	26320.684	26320.684	**	**	**	**
31679	GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/30/75-07/29/88	5	26320.684	26320.684	26320.684	26320.684	26320.684	26320.684	**	**	**	**
32101	BROMODICHLOROMETHANE, WHOLE WATER, UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE, WHOLE WATER, UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE, WHOLE WATER, UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32104	BROMOFORM, WHOLE WATER, UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32106	CHLOROFORM, WHOLE WATER, UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	65	4.	5.531	78.	1.	87.249	9.341	3.	3.	5.	7.4
34010	TOLUENE IN WTR SMPL GC-MS, HEXADECONE EXTR. (UG/L)	07/08/88-07/08/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPL GC-MS, HEXADECONE EXTR. (UG/L)	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34101	NITROGLYCERIN, WATER SAMPLE BY GAS CHROMATOGRAPHY M	07/08/88-07/08/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	07/08/88-07/08/88	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
34205	ACENAPHTHENE TOTWUG/L	07/08/88-07/08/88	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34220	ANTHRACENE TOTWUG/L	07/08/88-07/08/88	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
34230	BENZO(B)FLUORANTHENE, WHOLE WATER, UG/L	07/08/88-07/08/88	1 ##	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	07/08/88-07/08/88	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	07/08/88-07/08/88	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	07/08/88-07/08/88	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	07/08/88-07/08/88	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER, UG/L	07/08/88-07/08/88	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
34301	CHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	07/08/88-07/08/88	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	07/08/88-07/08/88	1 ##	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	07/08/88-07/08/88	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	07/08/88-07/08/88	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	07/08/88-07/08/88	1 ##	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/08/88-07/08/88	2 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	07/08/88-07/08/88	1 ##	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	07/08/88-07/08/88	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	07/08/88-07/08/88	1 ##	6.55	6.55	6.55	6.55	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENEI,12-BENZOPERYLENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENEI,2-BENZANTHRACENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.7	0.7	1.15	0.25	0.405	0.636	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	07/08/88-07/08/88	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	07/08/88-07/08/88	1 ##	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	07/08/88-07/08/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	07/08/88-07/08/88	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	07/08/88-07/08/88	1 ##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	07/08/88-07/08/88	1 ##	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	07/08/88-07/08/88	1 ##	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	07/08/88-07/08/88	1 ##	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	07/08/88-07/08/88	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	07/08/88-07/08/88	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	07/08/88-07/08/88	1 ##	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	07/08/88-07/08/88	1 ##	5.85	5.85	5.85	5.85	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	07/08/88-07/08/88	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38760	DBCP WATER, TOTUG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/08/88-07/08/88	1 ##	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	07/08/88-07/08/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	07/08/88-07/08/88	1 ##	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	07/08/88-07/08/88	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/17/80-09/24/87	30	467.	437.767	612.	111.	12218.53	110.537	254.6	377.75	506.5	551.4
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/06/80-11/06/80	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/14/79-09/24/97	8 ##	0.15	0.169	0.25	0.1	0.006	0.075	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77133	1,4-DIMETHYLBENZENE(P-XYLENE) WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77134	1,3-DIMETHYLBENZENE(M-XYLENE) WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
77135	O-XYLENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77275	1-METHYL-2-CHLOROENZENE (O-CHLOR*WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77277	1-METHYL-4-CHLOROENZENE (P-CHLOR*WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77596	METHYLENE BROMIDE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77613	1,2,3-TRICHLOROENZENE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
81555	BROMOENZENE WHL WATER SMPL UG/L	07/08/88-07/08/88	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0031

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1051	58	0.06	177	25	0.14	389	1	0.00	485	32	0.07		
00400	PH	Fresh Chronic	9.	44	0	0.00	11	0	0.00	10	0	0.00	23	0	0.00		
		Other-Lo Lim.	6.5	44	0	0.00	11	0	0.00	10	0	0.00	23	0	0.00		
00403	PH, LAB	Fresh Chronic	9.	1013	3	0.00	167	0	0.00	376	0	0.00	470	3	0.01		
		Other-Lo Lim.	6.5	1013	3	0.00	167	0	0.00	376	2	0.01	470	1	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	19	0	0.00	4	0	0.00				15	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00							4	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	30	0	0.00	7	0	0.00				23	0	0.00		
00720	CYANIDE, TOTAL	Fresh Acute	0.022	4	0	0.00							4	0	0.00		
		Drinking Water	0.2	4	0	0.00							4	0	0.00		
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	9	0	0.00	10	0	0.00	23	0	0.00		
		Drinking Water	250.	42	0	0.00	9	0	0.00	10	0	0.00	23	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	0	0.00	5	0	0.00				12	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00				2	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	18	0	0.00	5	0	0.00				13	0	0.00		
		Drinking Water	50.	18	0	0.00	5	0	0.00				13	0	0.00		
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00		
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	12	0	0.00				5	0	0.00	7	0	0.00		
		Drinking Water	5.	12	0	0.00				5	0	0.00	7	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	78	25	0.32	17	4	0.24	21	11	0.52	40	10	0.25		
		Drinking Water	5.	78	25	0.32	17	4	0.24	21	11	0.52	40	10	0.25		
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00				5	0	0.00	7	0	0.00		
01034	CHROMIUM, TOTAL	Drinking Water	100.	79	1	0.01	18	0	0.00	21	0	0.00	40	1	0.03		
01040	COPPER, DISSOLVED	Fresh Acute	18.	12	5	0.42				5	1	0.20	7	4	0.57		
		Drinking Water	1300.	12	0	0.00				5	0	0.00	7	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	80	34	0.43	18	6	0.33	22	15	0.68	40	13	0.33		
		Drinking Water	1300.	80	0	0.00	18	0	0.00	22	0	0.00	40	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	36	1	0.03	10	1	0.10	1	0	0.00	25	0	0.00		
		Drinking Water	15.	36	7	0.19	10	3	0.30	1	0	0.00	25	4	0.16		
01067	NICKEL, TOTAL	Fresh Acute	1400.	37	0	0.00	10	0	0.00	1	0	0.00	26	0	0.00		
		Drinking Water	100.	37	1	0.03	10	0	0.00	1	0	0.00	26	1	0.04		
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00											
		Drinking Water	100.	1	0	0.00							1	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0031

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01090 ZINC, DISSOLVED	Fresh Acute	120.	12	1	0.08				5	0	0.00	7	1	0.14			
	Drinking Water	5000.	12	0	0.00				5	0	0.00	7	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	132	8	0.06				40	3	0.08	64	3	0.05			
	Drinking Water	5000.	132	0	0.00	28	0	0.00	40	0	0.00	64	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
01220 CHROMIUM, HEXAVALENT, DISSOLVED	Fresh Acute	16.	18	9	0.50	3	2	0.67	7	3	0.43	8	4	0.50			
	Drinking Water	100.	18	0	0.00	3	0	0.00	7	0	0.00	8	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	14	9	0.64							14	9	0.64			
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	2	0	0.00							2	0	0.00			
	Drinking Water	5.	2	0	0.00							2	0	0.00			
32103 1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	2	0	0.00							2	0	0.00			
	Drinking Water	5.	2	0	0.00							2	0	0.00			
32104 BROMOFORM, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32105 DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00			
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00							2	0	0.00			
	Drinking Water	100.	2	0	0.00							2	0	0.00			
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
	Drinking Water	1000.	1	0	0.00							1	0	0.00			
34205 ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00							1	0	0.00			
34301 CHLOROBENZENE, TOTAL	Drinking Water	100.	2	0	0.00							2	0	0.00			
34371 ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00							2	0	0.00			
	Drinking Water	700.	2	0	0.00							2	0	0.00			
34376 FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00							1	0	0.00			
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
34396 HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00							1	0	0.00			
34403 INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00												
34408 ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00							1	0	0.00			
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34447 NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00							1	0	0.00			
34452 PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34461 PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34475 TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00							2	0	0.00			
	Drinking Water	5.	2	0	0.00							2	0	0.00			
34501 1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00							2	0	0.00			
34506 1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00							2	0	0.00			
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34536 1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	2	0	0.00							2	0	0.00			
34541 1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	2	0	0.00							2	0	0.00			
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	2	0	0.00							2	0	0.00			
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	2	0	0.00							2	0	0.00			
34566 1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	2	0	0.00							2	0	0.00			
34571 1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	2	0	0.00							2	0	0.00			
34586 2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00							1	0	0.00			
34601 2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00							1	0	0.00			
34606 2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00							1	0	0.00			
34611 2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00							1	0	0.00			
34694 PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00							1	0	0.00			
34696 NAPHTHALENE, TOTAL	Fresh Acute	2300.	2	0	0.00							2	0	0.00			
38760 DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	1.	0 &	0	0.00												
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00							1	0	0.00			
	Drinking Water	6.	1	0	0.00							1	0	0.00			
39180 TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00							2	0	0.00			
	Drinking Water	5.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

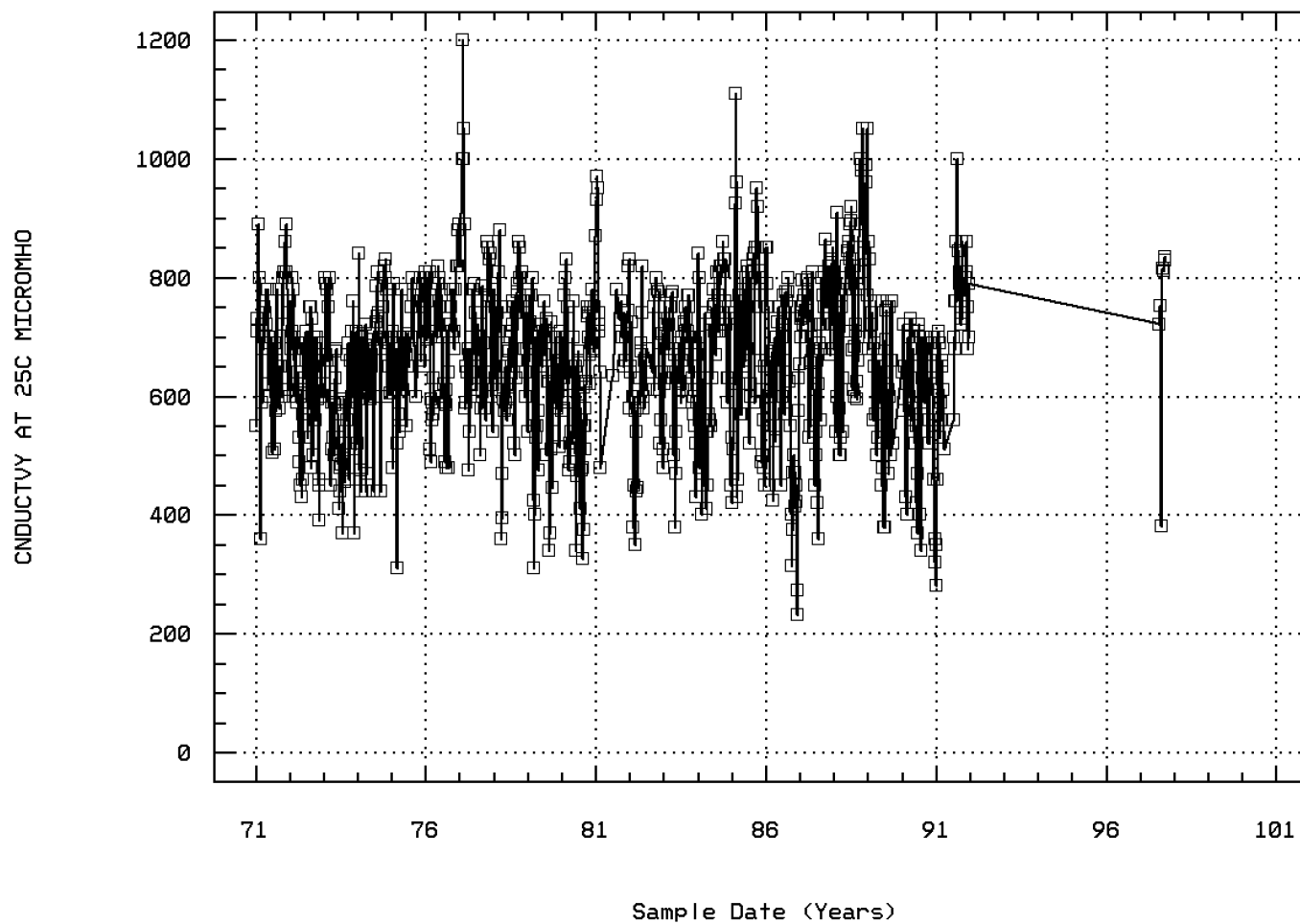
EPA Water Quality Criteria Analysis for Station: HOCU0031

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0							1	0	0.00			
		Drinking Water	1.	0 &	0												
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	2	0							2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	4	0	0.00				4	0	0.00			
		Drinking Water	2.	8	0	4	0	0.00				4	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	2	0							2	0	0.00			
77128	STYRENE, WHOLE WATER	Drinking Water	100.	2	0							2	0	0.00			
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0												

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: HOCU0031 Parameter Code: 00095

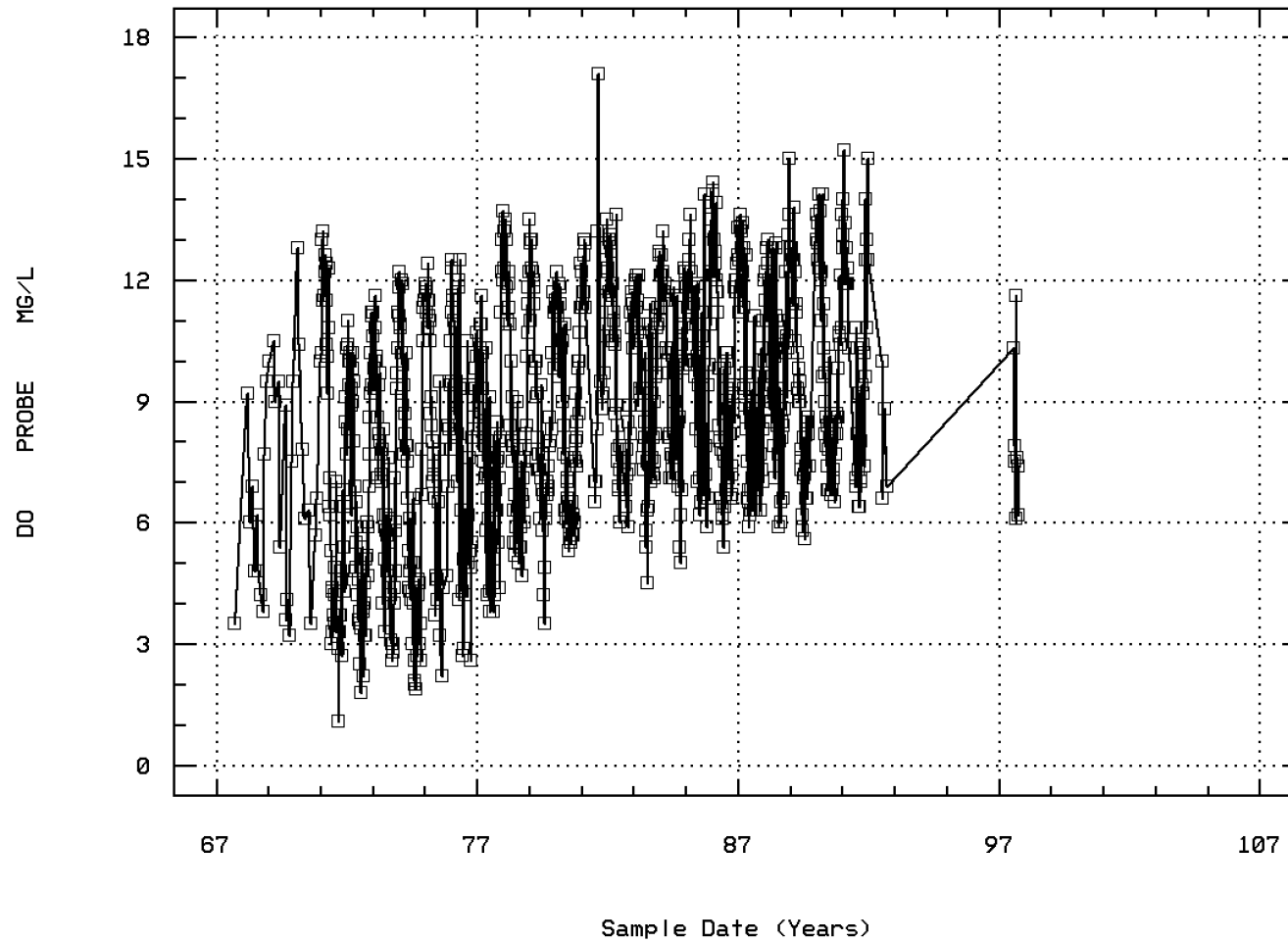
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00299

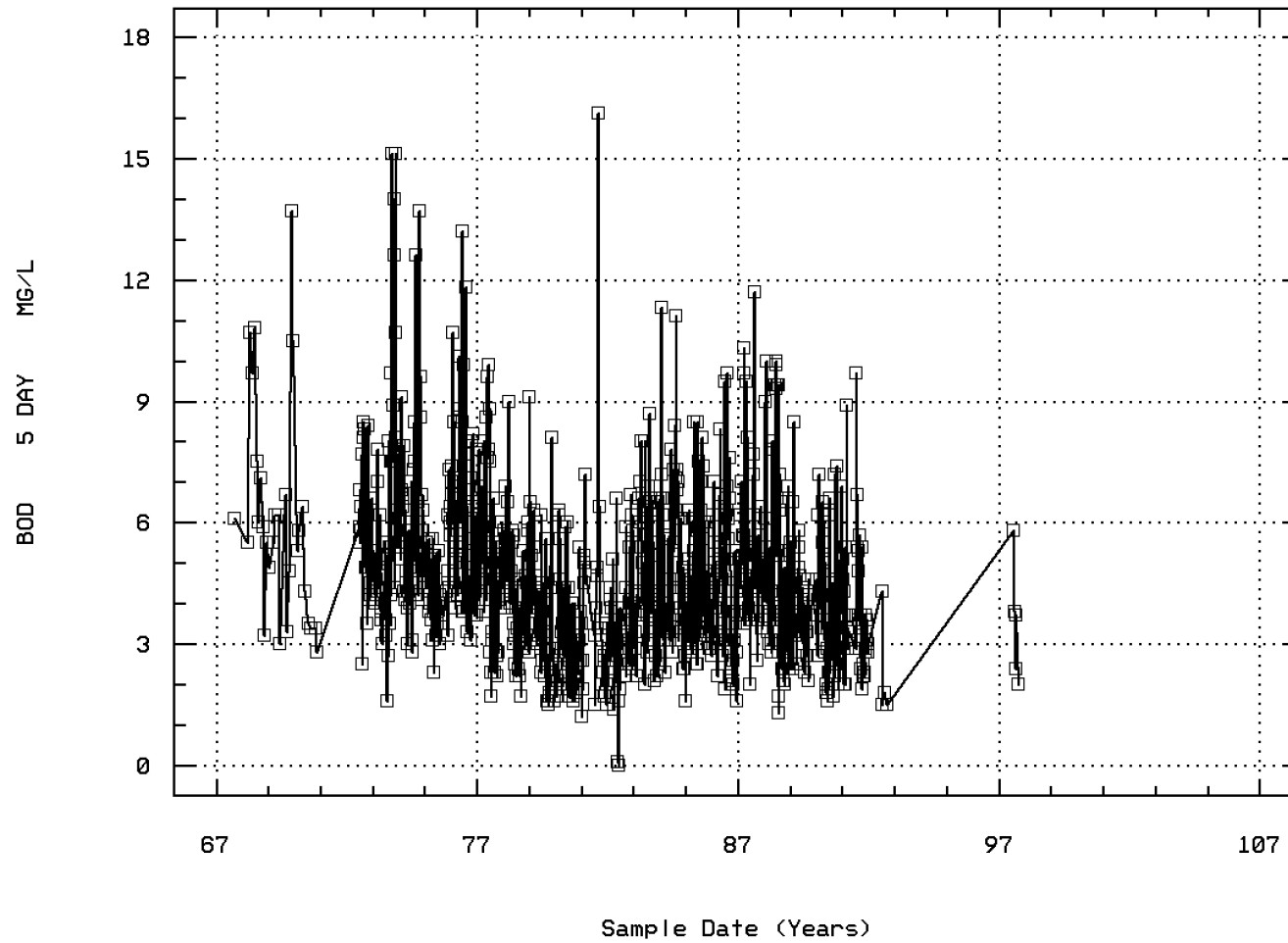
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00310

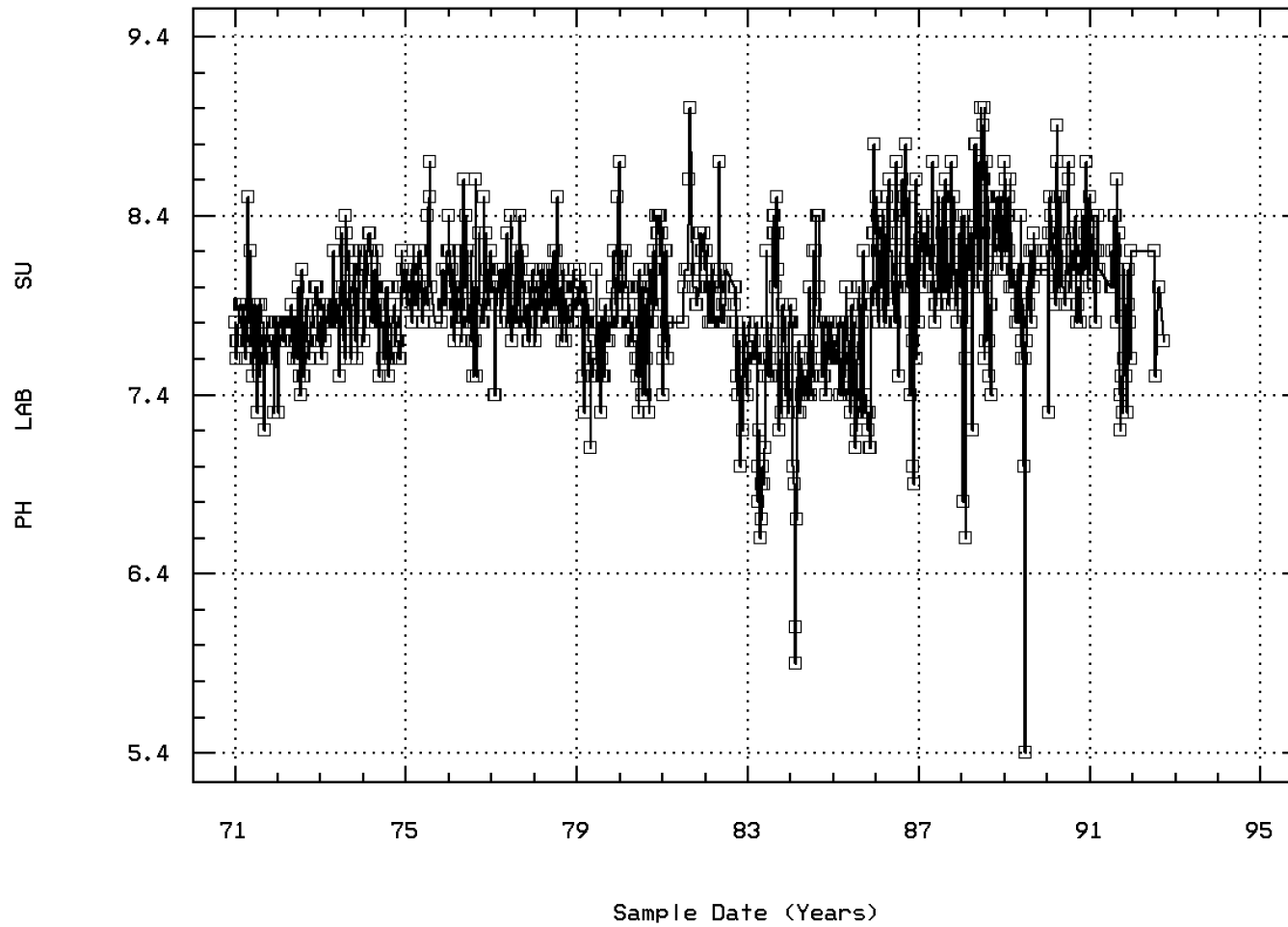
BOD, 5 DAY, 20 DEG C



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00403

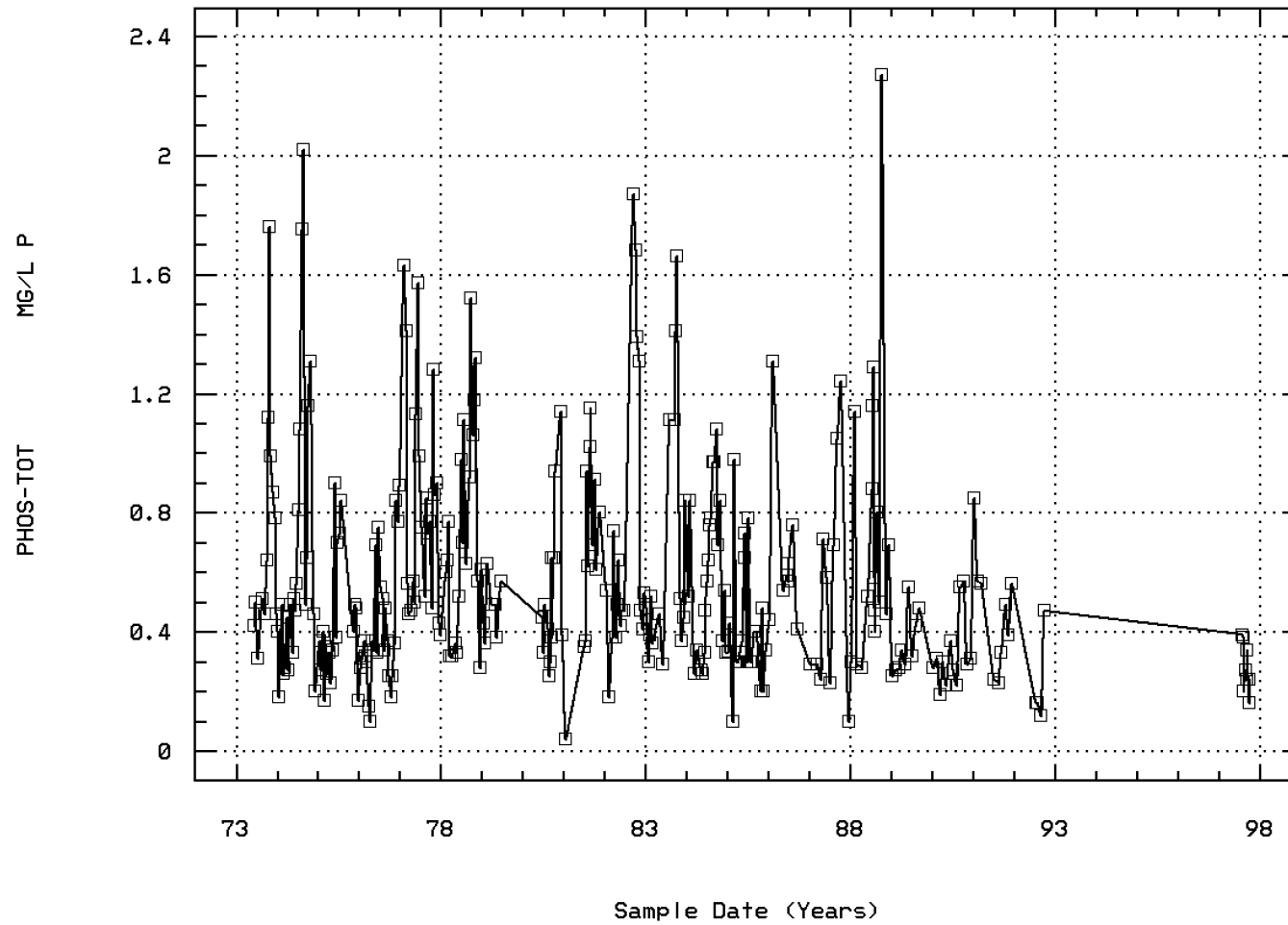
PH, LAB, STANDARD UNITS



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)

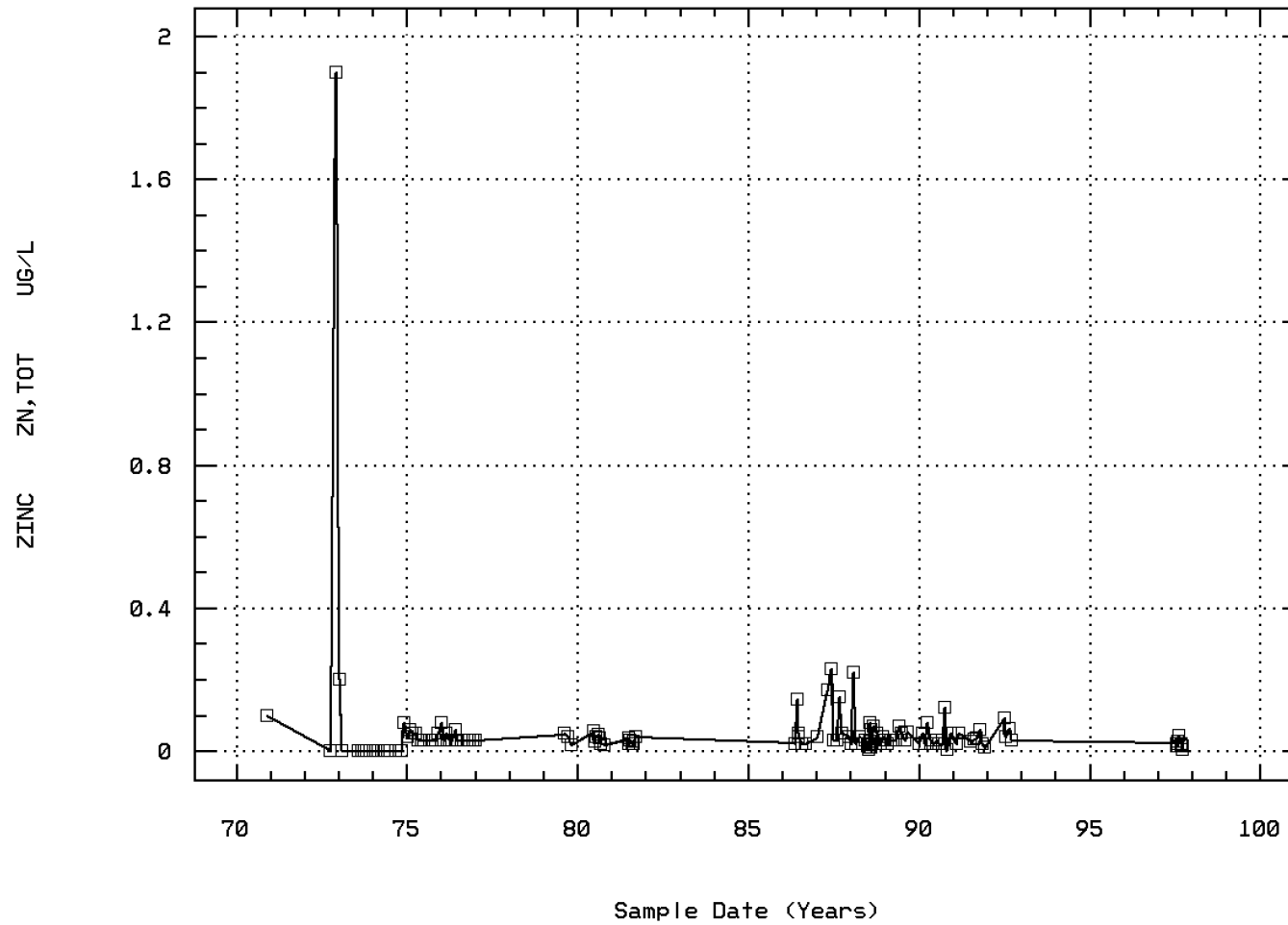


SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 01092

ZINC, TOTAL (UG/L AS ZN)

(X 1000)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Annual Analysis for 1967 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	1	21.	21.	21.	21.	0.	0.	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	1	340.	340.	340.	340.	0.	0.	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	10	15.	15.2	27.	77.511	8.804	2.3	5.75	22.75	26.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	10	1092.5	1372.1	3475.	401.	1109812.989	1053.477	410.4	532.5	3428.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	10	6.1	6.31	9.5	3.8	4.025	2.006	3.84	4.65	9.47
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	10	6.55	7.19	10.8	3.2	6.274	2.505	3.43	5.5	10.79

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	10	13.5	11.5	22.	55.167	7.427	1.2	3.75	18.	21.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	9	1500.	2584.444	7800.	620.	5819752.778	2412.416	620.	820.	7800.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	11	8.9	7.382	10.5	3.2	7.698	2.774	3.28	4.1	9.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	10	5.85	6.48	13.7	3.	10.777	3.283	3.03	4.425	13.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	8	14.5	14.875	26.	76.125	8.725	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	6	5475.	6390.833	14300.	825.	29921104.167	5470.019	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	8	6.45	7.4	12.8	3.5	8.566	2.927	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	8	3.9	4.363	6.4	2.8	1.734	1.317	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	1	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	47	14.6	13.845	25.5	70.476	8.395	2.7	6.	22.2	24.42
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	45	1100.	2119.778	11000.	565.	5931249.949	2435.416	600.	700.	6052.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	45	700.	697.111	890.	360.	11244.874	106.042	565.	780.	810.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	48	5.8	6.856	13.2	1.1	12.275	3.504	3.27	3.7	10.175
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	48	7.7	7.74	8.5	7.2	0.043	0.207	7.5	7.7	7.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	48	7.7	7.692	8.5	7.2	0.045	0.212	7.5	7.7	7.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	48	0.02	0.02	0.063	0.003	0.011	0.013	0.013	0.02	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	52	13.15	13.169	27.3	0.	63.112	7.944	2.86	6.7	20.075	23.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	52	2860.	4710.115	16300.	585.	15468603.477	3933.015	1134.4	1592.5	6912.5	10140.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	52	620.	618.654	800.	390.	9208.937	95.963	460.	572.5	690.	724.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	52	6.1	6.706	11.2	1.8	7.766	2.787	3.26	4.275	9.4	10.27
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	24	5.75	5.808	8.5	2.5	2.53	1.591	3.8	4.9	6.75	8.35
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	7.8	7.759	8.1	7.3	0.024	0.155	7.52	7.7	7.8	7.98
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	7.8	7.73	8.1	7.3	0.025	0.158	7.52	7.7	7.8	7.98
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.016	0.019	0.05	0.008	0.	0.008	0.011	0.016	0.02	0.03
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	2	950.	950.	1900.	0.	1805000.	1343.503	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	52	13.05	13.231	25.6	0.6	63.633	7.977	2.45	4.9	21.375	23.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	52	3582.	5400.615	19400.	860.	21766124.83	4665.418	1032.8	1982.25	8380.	12475.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	52	592.5	593.077	800.	370.	12094.268	109.974	451.5	502.5	673.75	757.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	52	7.05	6.975	11.6	2.6	6.71	2.59	3.16	4.8	9.375	10.51
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	48	5.05	6.073	15.1	1.6	9.734	3.12	3.47	4.05	7.5	10.89
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	7.9	7.896	8.4	7.5	0.037	0.193	7.63	7.8	8.	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	7.9	7.857	8.4	7.5	0.039	0.197	7.63	7.8	8.	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.013	0.014	0.032	0.004	0.	0.006	0.006	0.01	0.016	0.024
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	12	0.575	0.735	1.76	0.31	0.166	0.408	0.343	0.46	0.96	1.568
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	7	0.	28.571	200.	0.	5714.286	75.593	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	51	13.7	13.086	24.4	0.5	59.107	7.688	1.72	6.	20.4	23.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	51	2560.	4420.549	22140.	800.	25233418.253	5023.288	886.	1280.	4310.	12318.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	51	680.	662.059	840.	440.	10798.176	103.914	462.	605.	720.	797.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	51	6.6	6.698	12.2	1.9	10.433	3.23	2.62	4.2	9.9	11.46
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	49	5.5	5.978	13.7	2.8	4.686	2.165	4.	4.4	6.75	8.6
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	7.9	7.886	8.3	7.5	0.048	0.22	7.6	7.7	8.	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	7.9	7.834	8.3	7.5	0.051	0.226	7.6	7.7	8.	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.013	0.015	0.032	0.005	0.	0.007	0.006	0.01	0.02	0.025
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	23	0.49	0.656	2.02	0.18	0.239	0.489	0.224	0.33	0.81	1.574
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	8	0.	10.	80.	0.	800.	28.284	**	**	**	**

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Annual Analysis for 1975 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	41	9.3	11.895	27.	1.1	76.54	8.749	2.2	4.1	19.6	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	41	2540.	5016.439	46250.	780.	56316627.902	7504.441	1190.	1590.	5895.	12244.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	41	670.	671.098	810.	310.	9981.89	99.909	542.	615.	755.	790.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	41	8.	7.983	12.4	2.2	7.93	2.816	4.1	5.6	10.65	11.66
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	39	4.4	4.528	7.3	2.3	1.097	1.048	3.2	3.8	5.2	6.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	40	8.	8.042	8.7	7.8	0.036	0.191	7.81	7.9	8.175	8.2

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Annual Analysis for 1975 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	40	8.	8.008	8.7	7.8	0.038	0.194	7.81	7.9	8.175	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	40	0.01	0.01	0.016	0.002	0.	0.003	0.006	0.007	0.013	0.016
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	18	0.375	0.434	0.9	0.17	0.048	0.22	0.17	0.268	0.543	0.846
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	11	30.	39.091	60.	30.	129.091	11.362	30.	30.	50.	58.

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Annual Analysis for 1976 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	52	12.9	12.746	25.5	0.	62.051	7.877	1.6	5.775	19.9	22.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	51	1400.	3057.353	26650.	720.	18843637.353	4340.926	800.	920.	3200.	7562.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	52	710.	696.442	890.	480.	10737.585	103.622	525.	612.5	780.	817.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	52	8.25	7.869	12.5	2.6	7.756	2.785	4.23	5.35	9.725	11.74
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	51	6.	6.184	13.2	3.1	5.304	2.303	3.82	4.3	7.4	9.68
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	8.	7.992	8.6	7.5	0.062	0.25	7.7	7.8	8.2	8.37
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	8.	7.928	8.6	7.5	0.066	0.258	7.7	7.8	8.2	8.37
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.01	0.012	0.032	0.003	0.	0.006	0.004	0.006	0.016	0.02
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	24	0.35	0.421	0.89	0.1	0.048	0.22	0.165	0.285	0.54	0.805
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	13	30.	37.692	80.	30.	252.564	15.892	30.	30.	40.	72.

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Annual Analysis for 1977 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	49	15.6	14.631	28.2	0.	81.831	9.046	0.5	6.6	23.3	25.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	48	1450.	2688.958	18100.	300.	11063494.637	3326.183	510.	752.5	3040.	7190.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	49	680.	714.286	1200.	475.	20830.208	144.327	560.	610.	782.5	890.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	49	7.5	7.761	13.7	3.8	6.085	2.467	4.3	5.75	9.7	11.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	49	5.	5.182	9.9	1.7	4.093	2.023	2.7	3.75	6.45	8.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	49	8.	7.947	8.4	7.4	0.039	0.198	7.7	7.8	8.05	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	49	8.	7.9	8.4	7.4	0.041	0.204	7.7	7.8	8.05	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	49	0.01	0.013	0.04	0.004	0.	0.007	0.006	0.009	0.016	0.02
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	21	0.75	0.821	1.63	0.39	0.148	0.384	0.436	0.49	1.06	1.538
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	1	30.	30.	30.	30.	0.	0.	**	**	**	**

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Annual Analysis for 1978 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	51	12.5	12.643	26.5	0.	77.877	8.825	0.6	4.	22.	23.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	50	1825.	4142.2	28600.	520.	39866927.714	6314.026	620.	800.	3975.	9818.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	50	690.	680.8	880.	360.	12624.857	112.36	524.	607.5	760.	810.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	51	7.9	8.7	13.5	4.7	6.979	2.642	5.42	6.4	11.3	12.28
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	50	4.1	4.29	9.	1.7	1.878	1.37	2.53	3.375	5.15	5.8
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	7.9	7.945	8.5	7.7	0.022	0.147	7.8	7.8	8.	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	7.9	7.923	8.5	7.7	0.022	0.149	7.8	7.8	8.	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.013	0.012	0.02	0.003	0.	0.004	0.008	0.01	0.016	0.016
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	20	0.635	0.737	1.52	0.28	0.131	0.361	0.32	0.4	1.04	1.306

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Annual Analysis for 1979 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	47	14.	13.043	26.	0.	74.604	8.637	0.9	4.	22.	23.44
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	47	3200.	5624.766	27640.	1000.	31598326.357	5621.239	1260.	2100.	6700.	15000.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	47	640.	612.34	800.	310.	14292.229	119.55	420.	540.	700.	736.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	47	8.1	8.757	13.5	3.5	6.503	2.55	6.04	6.8	11.2	12.42
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	43	3.5	3.791	9.1	1.5	2.846	1.687	1.64	2.6	4.4	6.26
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	47	7.8	7.77	8.5	7.1	0.062	0.249	7.5	7.6	7.9	8.02
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	47	7.8	7.698	8.5	7.1	0.067	0.26	7.5	7.6	7.9	8.02
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	47	0.016	0.02	0.079	0.003	0.	0.013	0.01	0.013	0.025	0.032
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	7	0.49	0.479	0.63	0.36	0.01	0.098	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	3	40.	35.	50.	15.	325.	18.028	**	**	**	**

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Annual Analysis for 1980 - Station HOCU0031

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	56	15.25	14.202	27.	1.	76.83	8.765	1.85	6.	22.875	24.15
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	50	2350.	4801.36	31000.	900.	32519945.541	5702.626	1010.	1550.	5825.	13780.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	57	620.	618.018	870.	326.	14402.339	120.01	473.	535.	700.	762.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	56	7.85	8.373	12.4	5.3	4.99	2.234	5.84	6.225	10.65	11.33
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	57	2.9	3.168	6.3	1.6	1.665	1.29	1.78	2.1	3.9	5.6
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	57	7.9	7.918	8.7	7.3	0.088	0.296	7.5	7.7	8.1	8.32
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	57	7.9	7.821	8.7	7.3	0.097	0.312	7.5	7.7	8.1	8.32
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	57	0.013	0.015	0.05	0.002	0.	0.011	0.005	0.008	0.02	0.032
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	12	0.43	0.532	1.14	0.25	0.073	0.27	0.265	0.343	0.65	1.08
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	7	35.	33.571	55.	15.	205.952	14.351	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	7	4.	3.857	8.	1.	5.81	2.41	**	**	**	**

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Annual Analysis for 1981 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	25	5.	8.92	24.	0.	70.598	8.402	0.3	2.	15.25	23.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	20	1055.	2487.6	17300.	550.	14174555.621	3764.911	700.	800.	3325.	4780.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	23	725.	732.739	970.	480.	13109.383	114.496	602.	660.	780.	942.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	26	11.45	10.958	17.1	6.5	5.639	2.375	7.	9.175	12.65	13.29
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	27	3.1	3.759	16.1	1.2	8.606	2.934	1.5	1.9	4.8	6.56
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	26	8.05	8.054	9.	7.4	0.11	0.331	7.6	7.8	8.225	8.39
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	26	8.047	7.945	9.	7.4	0.122	0.35	7.6	7.8	8.225	8.39
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	26	0.009	0.011	0.04	0.001	0.	0.009	0.004	0.006	0.016	0.025
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	11	0.69	0.682	1.15	0.04	0.109	0.331	0.102	0.37	0.94	1.124
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	7	25.	27.143	40.	20.	65.476	8.092	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	7	3.	3.286	5.	2.	0.905	0.951	**	**	**	**

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Annual Analysis for 1982 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	43	11.	11.524	24.	0.	64.555	8.035	0.02	4.	20.	22.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	26	4450.	5526.731	16900.	1200.	24682734.365	4968.172	1300.	1800.	5900.	16194.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	43	630.	626.047	820.	350.	13213.76	114.951	447.	575.	705.	780.

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Annual Analysis for 1982 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	43	10.3	9.656	13.6	5.9	5.288	2.3	6.56	7.5	11.6	12.82
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	42	3.1	3.345	6.7	0.	2.307	1.519	1.69	2.575	4.15	5.87
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	43	7.9	7.84	8.7	7.	0.09	0.299	7.4	7.7	8.	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	43	7.9	7.727	8.7	7.	0.103	0.32	7.4	7.7	8.	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	43	0.013	0.019	0.1	0.002	0.	0.017	0.008	0.01	0.02	0.04
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	17	0.49	0.728	1.87	0.18	0.254	0.504	0.34	0.415	1.025	1.718

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	52	11.5	12.794	28.	0.	73.957	8.6	2.36	5.5	19.875	26.35
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	52	670.	655.288	775.	380.	7867.072	88.697	526.	612.5	720.	750.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	52	9.45	9.396	12.7	4.5	4.029	2.007	6.58	7.675	11.05	11.97
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	49	4.2	4.635	8.7	2.	2.782	1.668	2.5	3.4	6.	6.9
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	7.7	7.618	8.5	6.6	0.196	0.443	6.92	7.4	7.8	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	7.7	7.387	8.5	6.6	0.25	0.5	6.92	7.4	7.8	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.02	0.041	0.251	0.003	0.003	0.051	0.005	0.016	0.04	0.121
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	16	0.495	0.704	1.66	0.29	0.184	0.429	0.297	0.375	1.083	1.485

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	44	8.5	10.941	24.	0.	57.77	7.601	1.75	4.625	17.75	22.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	51	710.	669.902	860.	400.	17198.49	131.143	456.	550.	780.	820.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	51	9.9	9.618	13.2	5.	4.214	2.053	6.94	7.8	11.5	12.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	48	4.5	4.975	11.3	1.6	4.616	2.148	2.67	3.3	6.525	7.35
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	51	7.6	7.575	8.4	5.9	0.216	0.465	7.06	7.4	7.8	8.16
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	51	7.6	7.152	8.4	5.9	0.398	0.631	7.06	7.4	7.8	8.16
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	51	0.025	0.07	1.259	0.004	0.041	0.203	0.007	0.016	0.04	0.09
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	20	0.555	0.592	1.08	0.26	0.069	0.264	0.261	0.333	0.825	0.97

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	50	15.25	13.93	26.5	0.	67.857	8.238	2.	6.125	22.	23.95
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	50	740.	700.1	1110.	420.	25171.929	158.657	481.	570.	802.5	913.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	50	10.25	10.074	14.1	5.9	5.131	2.265	6.7	8.075	11.825	12.95
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	50	4.4	4.636	8.5	2.5	2.636	1.624	2.9	3.275	5.9	7.36
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	50	7.6	7.632	8.8	7.1	0.123	0.35	7.21	7.3	7.8	8.
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	50	7.6	7.518	8.8	7.1	0.136	0.369	7.21	7.3	7.8	8.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	50	0.025	0.03	0.079	0.002	0.	0.02	0.01	0.016	0.05	0.062
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	20	0.355	0.415	0.978	0.1	0.046	0.215	0.2	0.3	0.468	0.775

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	53	650.	609.566	850.	232.	22255.75	149.184	405.6	486.	727.5	775.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	53	9.8	9.762	14.4	5.4	6.186	2.487	6.48	7.6	12.	13.18
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	53	4.4	4.555	9.7	1.6	3.43	1.852	2.32	3.15	5.55	6.96
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	53	8.2	8.115	8.8	6.9	0.149	0.387	7.64	7.9	8.4	8.56
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	53	8.2	7.888	8.8	6.9	0.202	0.449	7.64	7.9	8.4	8.56
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	53	0.006	0.013	0.126	0.002	0.	0.021	0.003	0.004	0.013	0.023
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	8	0.58	0.656	1.31	0.41	0.082	0.286	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	6	30.	49.167	145.	20.	2364.167	48.623	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	6	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	10	10.2	9.77	18.3	2.1	30.022	5.479	2.12	5.15	14.025	18.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	52	725.	699.058	865.	360.	12763.036	112.974	530.	660.	770.	810.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	52	8.85	9.235	13.6	5.9	5.749	2.398	6.3	7.125	11.175	13.08
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	51	5.	5.278	11.7	2.	3.602	1.898	3.6	4.1	5.7	8.02
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	8.1	8.167	8.7	7.8	0.047	0.217	7.9	8.	8.3	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	8.1	8.12	8.7	7.8	0.049	0.222	7.9	8.	8.3	8.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.008	0.008	0.016	0.002	0.	0.003	0.003	0.005	0.01	0.013
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	10	0.435	0.542	1.24	0.1	0.145	0.381	0.113	0.238	0.795	1.221
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	8	45.	92.5	230.	30.	6192.857	78.695	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	10	3.5	10.95	78.	1.5	556.358	23.587	1.65	3.	4.5	70.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	5	27.1	27.14	29.	25.4	1.628	1.276	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	1	605.	605.	605.	605.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	56	785.	774.482	1050.	500.	19533.454	139.762	568.	679.25	857.5	983.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	53	10.3	10.17	15.	5.9	4.521	2.126	7.34	8.5	12.1	12.86
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	55	4.1	4.955	10.	1.3	6.002	2.45	2.4	3.	6.5	9.4
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	55	8.3	8.204	9.	6.6	0.241	0.491	7.56	8.	8.5	8.74
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	55	8.3	7.799	9.	6.6	0.407	0.638	7.56	8.	8.5	8.74
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	55	0.005	0.016	0.251	0.001	0.002	0.04	0.002	0.003	0.01	0.028
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	16	0.55	0.752	2.27	0.28	0.267	0.517	0.287	0.415	1.075	1.584
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	17	25.	43.235	220.	5.	2549.816	50.496	9.	17.5	55.	108.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	14	4.5	5.786	10.	3.	9.874	3.142	3.	3.	10.	10.

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Annual Analysis for 1989 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	39	650.	628.205	860.	380.	13753.273	117.274	470.	520.	720.	760.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	39	9.	9.459	13.8	5.6	5.327	2.308	6.6	7.4	11.4	12.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	36	3.7	4.003	8.5	2.1	1.569	1.253	2.47	3.3	4.575	5.52
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	39	8.1	7.99	8.7	5.4	0.285	0.534	7.6	7.9	8.2	8.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	39	8.1	6.943	8.7	5.4	1.409	1.187	7.6	7.9	8.2	8.5

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Annual Analysis for 1989 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	39	0.008	0.114	3.981	0.002	0.404	0.636	0.003	0.006	0.013	0.025
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	9	0.32	0.356	0.55	0.25	0.011	0.105	0.25	0.275	0.45	0.55
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	9	30.	37.778	68.	20.	237.444	15.409	20.	30.	51.	68.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	9	5.	4.556	6.	3.	1.028	1.014	3.	3.5	5.	6.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	52	620.	590.096	730.	320.	12749.5	112.914	400.	525.	680.	707.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	52	9.3	9.844	14.1	6.5	5.205	2.281	6.89	8.1	12.075	13.54
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	52	3.9	3.946	7.4	1.6	2.567	1.602	2.	2.625	4.95	6.57
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	52	8.2	8.183	8.9	7.3	0.078	0.279	7.9	8.	8.3	8.57
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	52	8.2	8.091	8.9	7.3	0.087	0.294	7.9	8.	8.3	8.57
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	52	0.006	0.008	0.05	0.001	0.	0.007	0.003	0.005	0.01	0.013
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	12	0.295	0.323	0.57	0.19	0.015	0.121	0.199	0.233	0.355	0.564
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	12	25.	38.5	120.	2.	1074.273	32.776	7.4	20.	50.	108.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	12	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	38	725.	700.395	1000.	280.	20565.381	143.406	505.	640.	790.	860.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	39	10.4	10.531	15.2	6.4	6.364	2.523	7.	8.2	12.5	14.
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	39	3.5	3.915	9.7	1.9	3.047	1.746	2.2	2.8	5.1	5.7
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	39	8.1	7.995	8.6	7.2	0.124	0.352	7.4	7.8	8.2	8.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	39	8.1	7.839	8.6	7.2	0.149	0.386	7.4	7.8	8.2	8.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	39	0.008	0.014	0.063	0.003	0.	0.015	0.004	0.006	0.016	0.04
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	9	0.49	0.469	0.85	0.23	0.038	0.196	0.23	0.285	0.565	0.85
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	8	30.5	32.125	60.	10.	273.268	16.531	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	4	21.25	21.1	24.3	17.6	7.647	2.765	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	4	7.85	8.075	10.	6.6	2.596	1.611	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	4	1.65	2.275	4.3	1.5	1.843	1.357	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	4	7.85	7.85	8.2	7.5	0.097	0.311	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	4	7.825	7.77	8.2	7.5	0.105	0.324	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	4	0.015	0.017	0.032	0.006	0.	0.011	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	4	0.16	0.228	0.47	0.12	0.026	0.163	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	4	51.5	56.	92.	29.	776.667	27.869	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

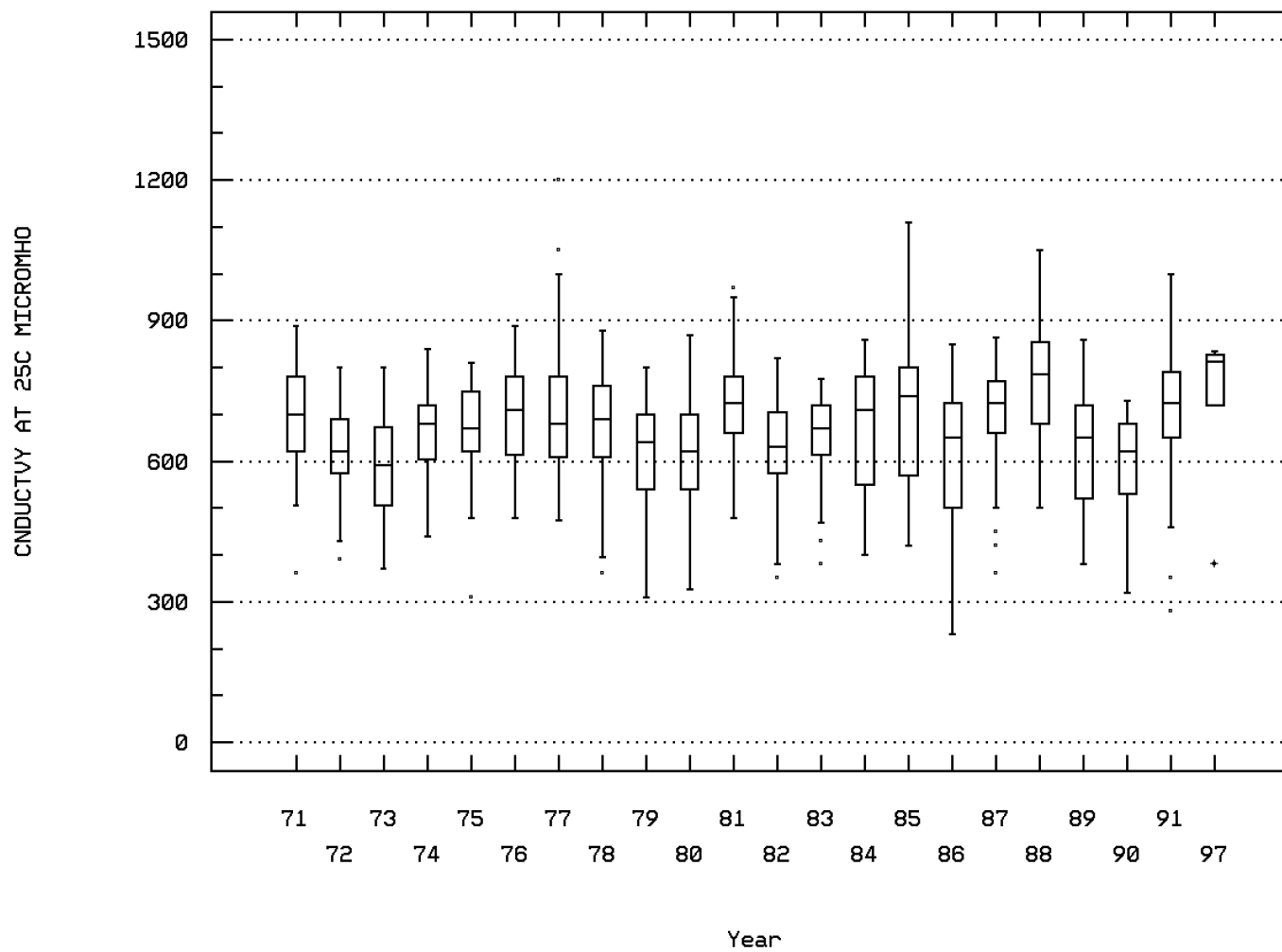
Annual Analysis for 1997 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	8	22.25	21.925	25.1	18.3	6.062	2.462	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	3	933.	944.	1080.	819.	17121.	130.847	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	7	812.	734.857	834.	381.	26134.143	161.661	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	8	7.55	8.075	11.6	6.1	3.691	1.921	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	8	2.2	2.588	5.8	1.	2.996	1.731	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	8	0.255	0.278	0.39	0.16	0.007	0.085	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	8	17.5	19.375	42.	5.	120.268	10.967	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0031 Parameter Code: 00095

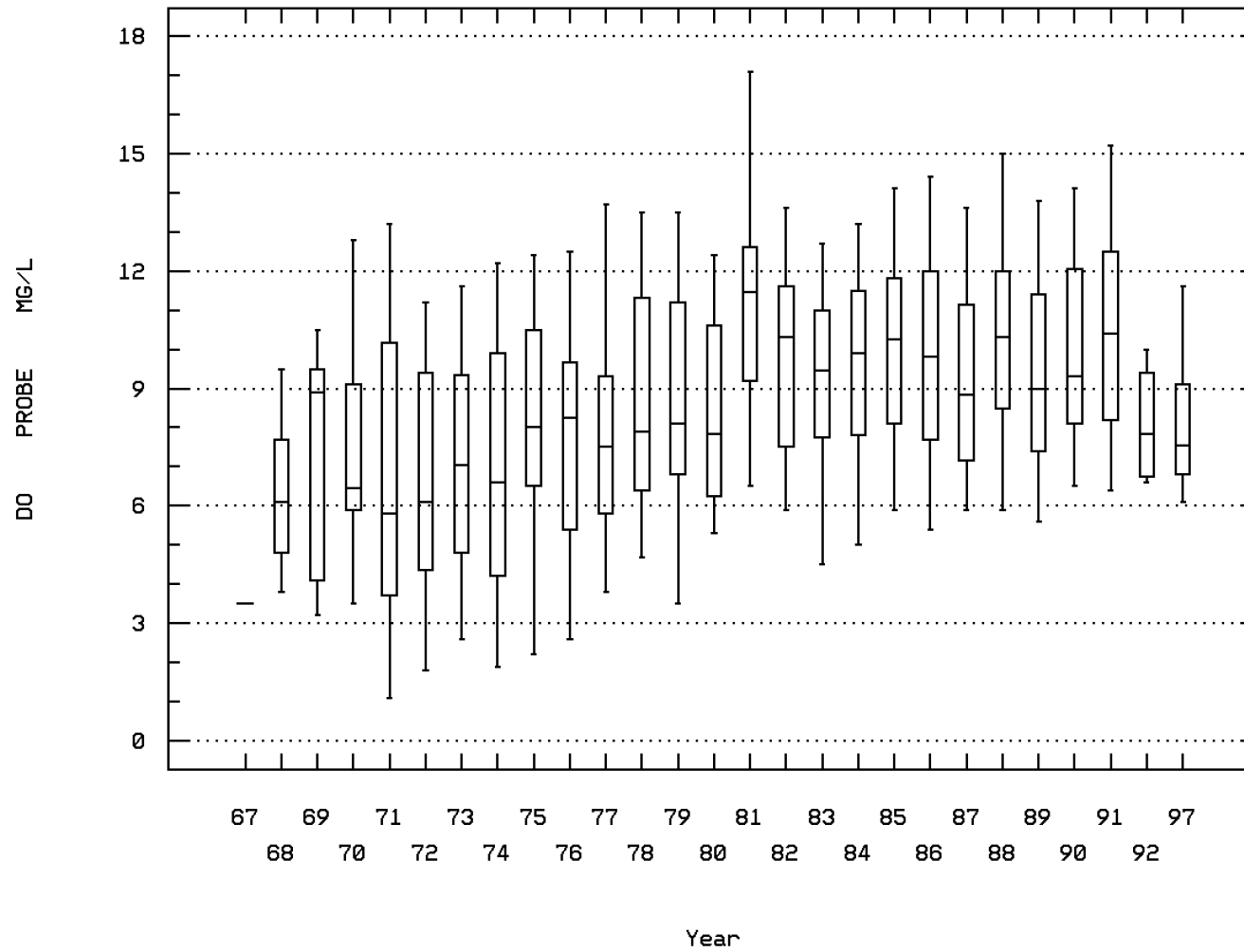
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00299

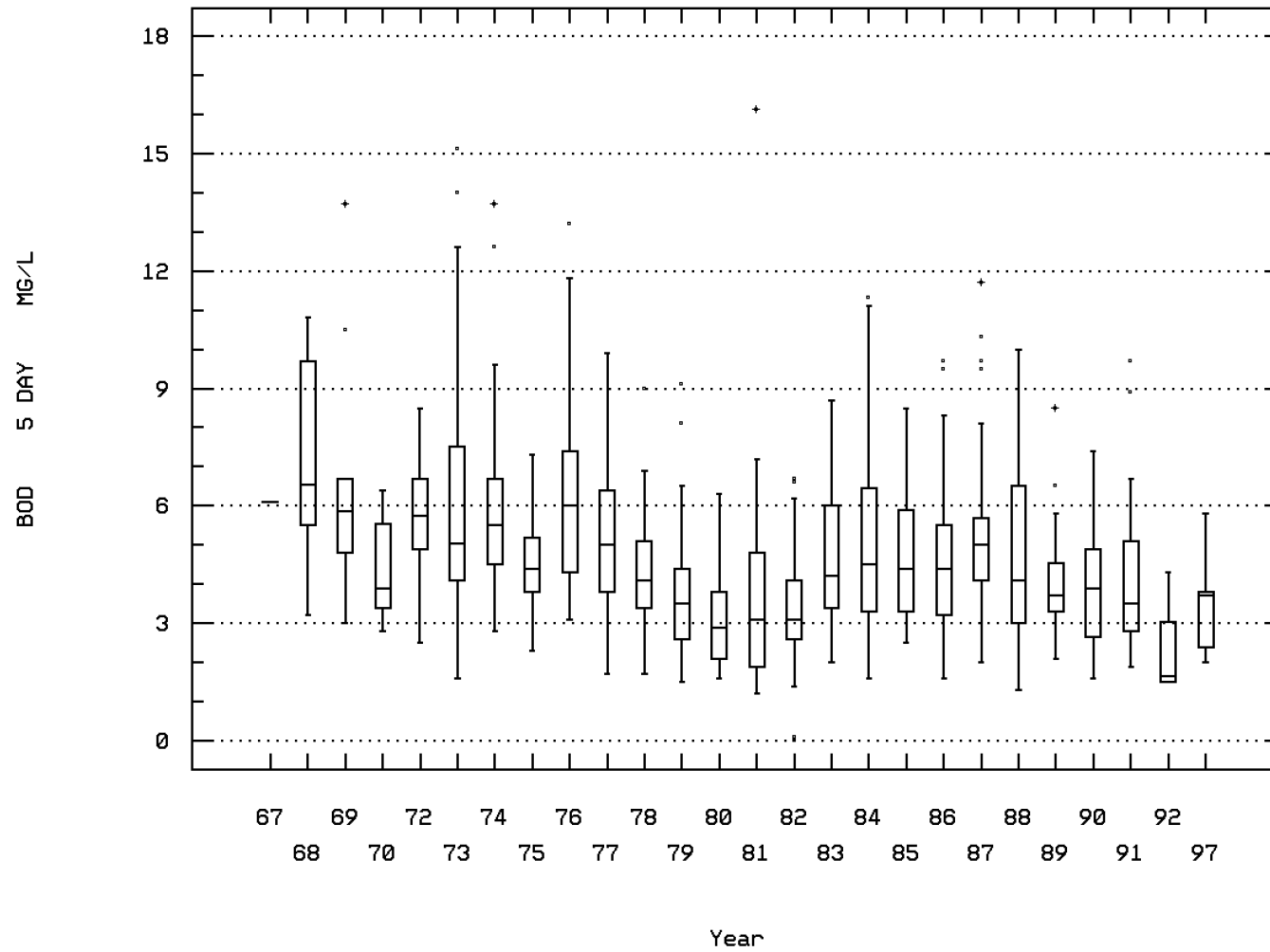
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00310

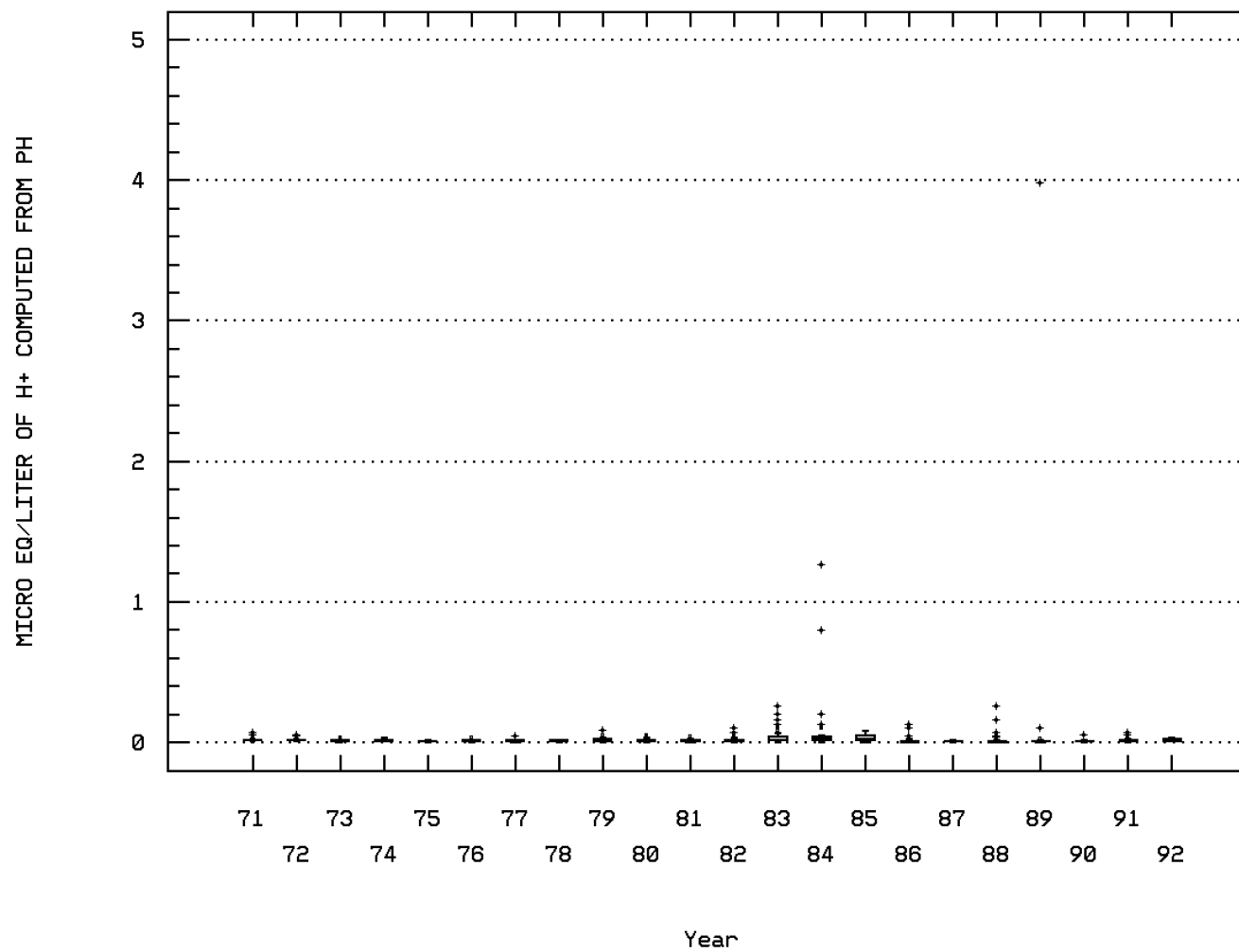
BOD, 5 DAY, 20 DEG C



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00403

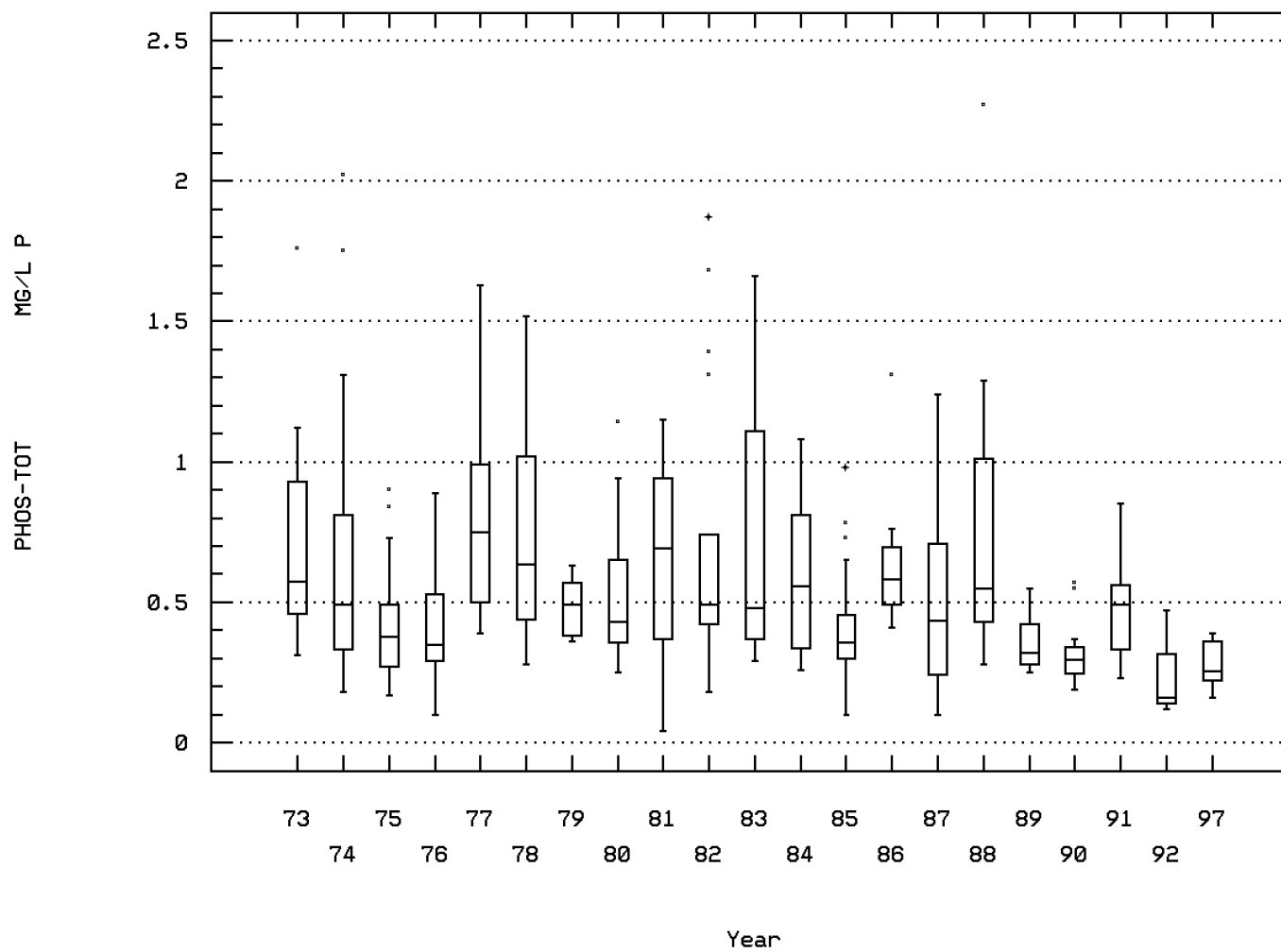
MICRO EQ/LITER OF H+ COMPUTED FROM PH



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	125	18.	17.488	26.5	6.6	17.037	4.128	12.5	14.15	20.75	23.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	93	933.	1473.645	11300.	250.	2617786.905	1617.958	508.	735.	1540.	2704.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	169	720.	706.243	1050.	315.	14827.661	121.769	550.	630.	780.	834.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	177	7.1	6.776	14.1	1.1	4.943	2.223	3.46	5.05	8.45	9.24
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	165	3.7	4.228	15.1	1.	5.084	2.255	2.	2.6	5.3	7.14
00400p	PH (STANDARD UNITS)	09/21/67-09/24/97	11	7.3	7.398	8.2	6.92	0.135	0.367	6.936	7.1	7.6	8.098
00400p	CONVERTED PH (STANDARD UNITS)	09/21/67-09/24/97	11	7.3	7.283	8.2	6.92	0.15	0.387	6.936	7.1	7.6	8.098
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/24/97	11	0.05	0.052	0.12	0.006	0.001	0.036	0.009	0.025	0.079	0.116
00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	167	7.9	7.881	8.8	7.2	0.093	0.305	7.5	7.7	8.1	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	167	7.9	7.778	8.8	7.2	0.104	0.322	7.5	7.7	8.1	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	167	0.013	0.017	0.063	0.002	0.	0.012	0.005	0.008	0.02	0.032
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/21/67-09/24/97	10	230.	233.2	292.	185.	1173.067	34.25	185.4	210.	257.	290.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/24/97	14	28.	32.	96.	8.	493.231	22.209	10.5	14.75	41.75	73.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/80-09/24/97	9 ##	0.035	0.119	0.49	0.025	0.024	0.154	0.025	0.025	0.175	0.49
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	56	0.65	0.799	2.27	0.16	0.242	0.492	0.247	0.403	1.118	1.562
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/31/79-09/24/97	9	82.	80.378	94.	66.	99.897	9.995	66.	70.2	88.5	94.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-09/24/97	9	29.	29.778	45.	21.	46.132	6.792	21.	25.5	32.	45.
00940p	CHLORIDE, TOTAL IN WATER MG/L	09/21/67-09/24/97	9	60.	55.222	70.	38.	117.944	10.86	38.	45.5	63.	70.
01027p	CADMIUM, TOTAL (UG/L AS CD)	12/04/70-09/24/97	17 ##	0.5	2.176	10.	0.	11.423	3.38	0.	0.1	3.75	10.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	12/04/70-09/24/97	18 ##	15.	15.556	30.	0.	108.497	10.416	0.	11.25	22.5	30.
01042p	COPPER, TOTAL (UG/L AS CU)	12/04/70-09/24/97	18	7.5	12.833	30.	0.	125.324	11.195	0.	4.75	22.5	30.
01045	IRON, TOTAL (UG/L AS FE)	08/14/79-09/24/97	10	796.5	880.	1670.	397.	151830.	389.654	403.3	598.	1135.	1633.
01051p	LEAD, TOTAL (UG/L AS PB)	01/08/74-09/24/97	10	8.	15.3	90.	1.	717.067	26.778	1.	2.125	15.	82.5
01067p	NICKEL, TOTAL (UG/L AS NI)	01/08/74-09/24/97	10 ##	20.	28.	50.	20.	173.333	13.166	20.	20.	42.5	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	28	29.5	34.393	150.	0.	1171.433	34.226	0.	15.	47.5	75.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	11	5.	5.	7.	3.	1.6	1.265	3.2	4.	6.	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	290	4.	4.741	16.5	0.	14.307	3.782	0.5	1.95	6.775	10.54
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	217	2900.	4986.599	46250.	510.	32075204.158	5663.498	937.2	1475.	5840.	12952.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	379	680.	669.433	1200.	232.	20158.976	141.982	475.	595.	760.	820.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	389	11.3	10.824	15.2	2.6	4.333	2.082	7.8	9.7	12.2	13.
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	355	4.5	4.717	15.1	1.2	3.729	1.931	2.6	3.4	5.6	6.9
00400p	PH (STANDARD UNITS)	09/21/67-09/24/97	10	7.4	7.38	7.7	7.1	0.031	0.175	7.11	7.275	7.45	7.69
00400p	CONVERTED PH (STANDARD UNITS)	09/21/67-09/24/97	10	7.4	7.35	7.7	7.1	0.032	0.178	7.11	7.275	7.45	7.69
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/24/97	10	0.04	0.045	0.079	0.02	0.	0.017	0.02	0.036	0.053	0.078
00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	376	8.	7.923	8.8	5.9	0.133	0.365	7.57	7.7	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	376	8.	7.652	8.8	5.9	0.206	0.454	7.57	7.7	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	376	0.01	0.022	1.259	0.002	0.006	0.079	0.005	0.006	0.02	0.027
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/21/67-09/24/97	10	238.	234.	272.	196.	569.778	23.87	196.8	216.	252.	270.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/24/97	10	30.	61.1	335.	13.	9513.656	97.538	13.3	21.25	43.75	308.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/80-09/24/97	1	0.23	0.23	0.23	0.23	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	103	0.43	0.508	1.63	0.04	0.092	0.304	0.22	0.3	0.6	0.896
00940p	CHLORIDE, TOTAL IN WATER MG/L	09/21/67-09/24/97	10	50.	49.	60.	30.	59.778	7.732	31.6	47.5	52.5	59.4
01027p	CADMIUM, TOTAL (UG/L AS CD)	12/04/70-09/24/97	21	5.	4.524	10.	0.	22.262	4.718	0.	0.	10.	10.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	12/04/70-09/24/97	21	10.	14.286	30.	0.	205.714	14.343	0.	0.	30.	30.
01042p	COPPER, TOTAL (UG/L AS CU)	12/04/70-09/24/97	22	25.	24.091	70.	0.	349.134	18.685	0.	10.	30.	57.
01051p	LEAD, TOTAL (UG/L AS PB)	01/08/74-09/24/97	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	01/08/74-09/24/97	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	40	30.	87.05	1900.	0.	88530.664	297.541	0.	20.	50.	98.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	16	3.	8.5	78.	3.	344.667	18.565	3.	3.	5.	27.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

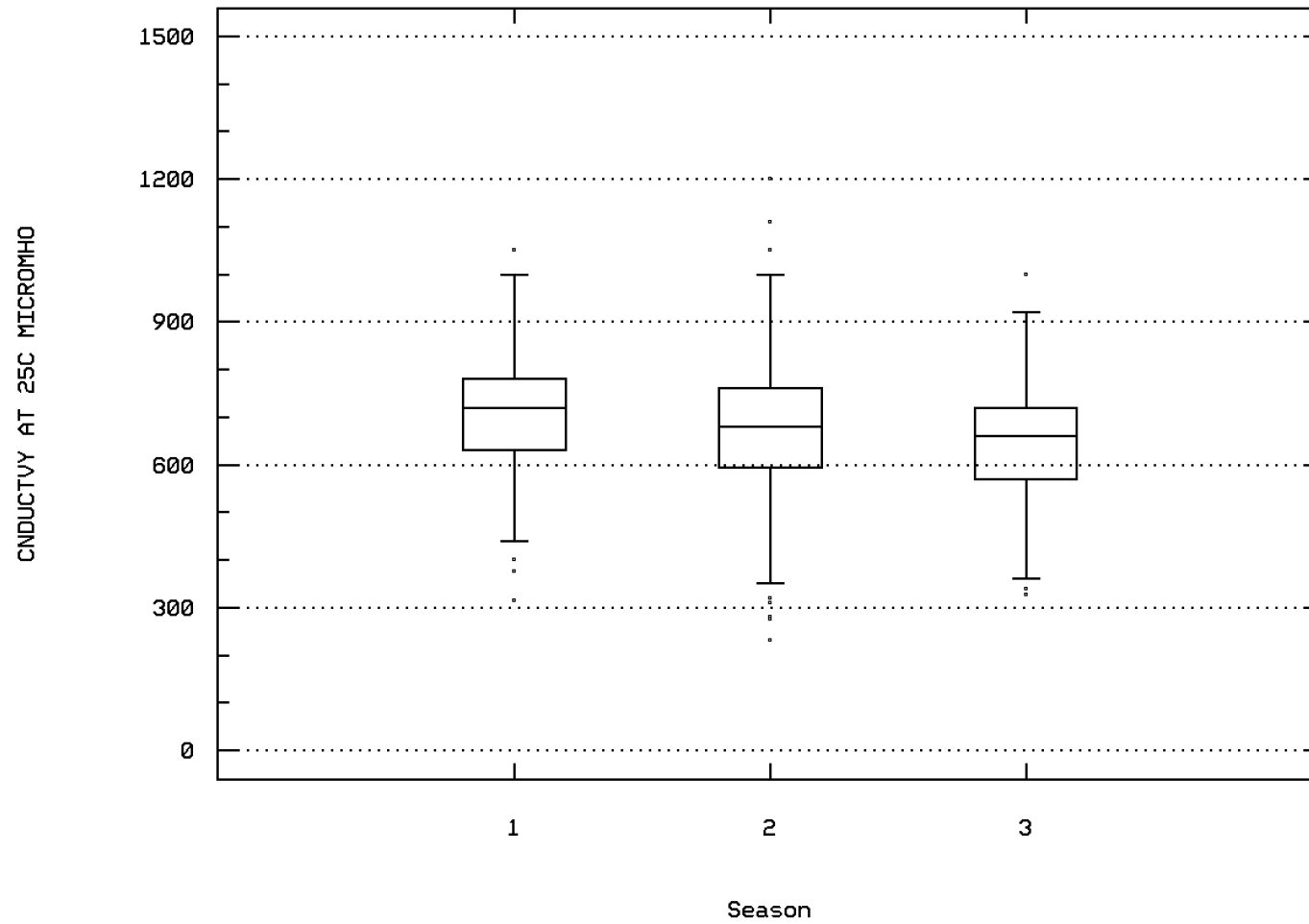
Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/21/67-09/24/97	353	20.4	18.449	29.	0.9	41.504	6.442	8.2	13.55	23.5	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/67-09/22/97	259	2260.	4261.452	31000.	250.	24134444.427	4912.682	850.	1300.	5280.	11000.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/05/71-09/24/97	464	660.	641.903	1000.	326.	13467.28	116.049	480.	570.	720.	780.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/21/67-09/24/97	485	7.6	7.687	17.1	1.8	5.794	2.407	4.46	6.1	9.4	10.9
00310p	BOD, 5 DAY, 20 DEG C MG/L	09/21/67-09/24/97	433	4.3	4.822	16.1	0.	5.051	2.247	2.44	3.3	6.	8.
00400p	PH (STANDARD UNITS)	09/21/67-09/24/97	23	7.5	7.673	8.6	7.1	0.199	0.447	7.2	7.3	7.83	8.546
00400p	CONVERTED PH (STANDARD UNITS)	09/21/67-09/24/97	23	7.5	7.514	8.6	7.1	0.226	0.475	7.2	7.3	7.83	8.546
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/67-09/24/97	23	0.032	0.031	0.079	0.003	0.	0.021	0.003	0.015	0.05	0.063
00403	PH, LAB, STANDARD UNITS SU	01/05/71-09/24/92	470	7.9	7.92	9.	5.4	0.144	0.38	7.5	7.7	8.1	8.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-09/24/92	470	7.9	7.592	9.	5.4	0.252	0.502	7.5	7.7	8.1	8.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-09/24/92	470	0.013	0.026	3.981	0.001	0.034	0.184	0.004	0.008	0.02	0.032
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/21/67-09/24/97	21	194.	192.524	260.	115.	1447.662	38.048	138.4	163.	223.	244.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/21/67-09/24/97	34	63.5	95.235	553.	20.	10526.731	102.6	27.	33.75	116.5	222.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/80-09/24/97	31	0.06	0.099	0.31	0.01	0.008	0.09	0.025	0.025	0.17	0.27
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/73-09/24/97	138	0.47	0.542	2.02	0.1	0.099	0.314	0.249	0.33	0.692	0.981
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/31/79-09/24/97	25	79.	75.404	103.	40.	215.636	14.685	53.	65.	85.65	90.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-09/24/97	25	27.	25.688	34.	14.	33.614	5.798	17.	21.5	31.45	32.44
00940p	CHLORIDE, TOTAL IN WATER MG/L	09/21/67-09/24/97	23	46.	45.522	99.	16.	274.625	16.572	24.2	36.	50.	64.4
01027p	CADMIUM, TOTAL (UG/L AS CD)	12/04/70-09/24/97	40 ##	0.25	2.483	10.	0.	15.708	3.963	0.01	0.1	4.375	10.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	12/04/70-09/24/97	40 ##	15.	22.75	180.	0.	740.962	27.221	1.5	15.	30.	30.
01042p	COPPER, TOTAL (UG/L AS CU)	12/04/70-09/24/97	40	10.	14.038	30.	0.	119.979	10.954	4.	5.	30.	30.
01045	IRON, TOTAL (UG/L AS FE)	08/14/79-09/24/97	25	1480.	2419.32	7060.	563.	3365116.143	1834.425	797.	895.	3885.	5336.
01051p	LEAD, TOTAL (UG/L AS PB)	01/08/74-09/24/97	25	4.	8.66	64.	1.	168.557	12.983	1.	2.	11.5	19.6
01067p	NICKEL, TOTAL (UG/L AS NI)	01/08/74-09/24/97	26 ##	20.	25.962	100.	15.	380.038	19.495	20.	20.	20.	52.
01092p	ZINC, TOTAL (UG/L AS ZN)	12/04/70-09/24/97	64	30.	39.422	230.	0.	1425.74	37.759	10.	20.	44.25	74.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-08/27/97	14	422.5	1082.607	4000.	0.5	1795399.161	1339.925	50.25	161.5	1623.75	3770.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-08/27/97	14	2.614	2.545	3.602	-0.301	0.958	0.979	0.849	2.198	3.187	3.576
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/17/80-12/07/90	38	4.	350.471	10.	1.	5.624	2.371	2.	3.	5.	10.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/17/80-12/07/90	38	4.	4.434	10.	1.	5.624	2.371	2.	3.	5.	10.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0031 Parameter Code: 00095

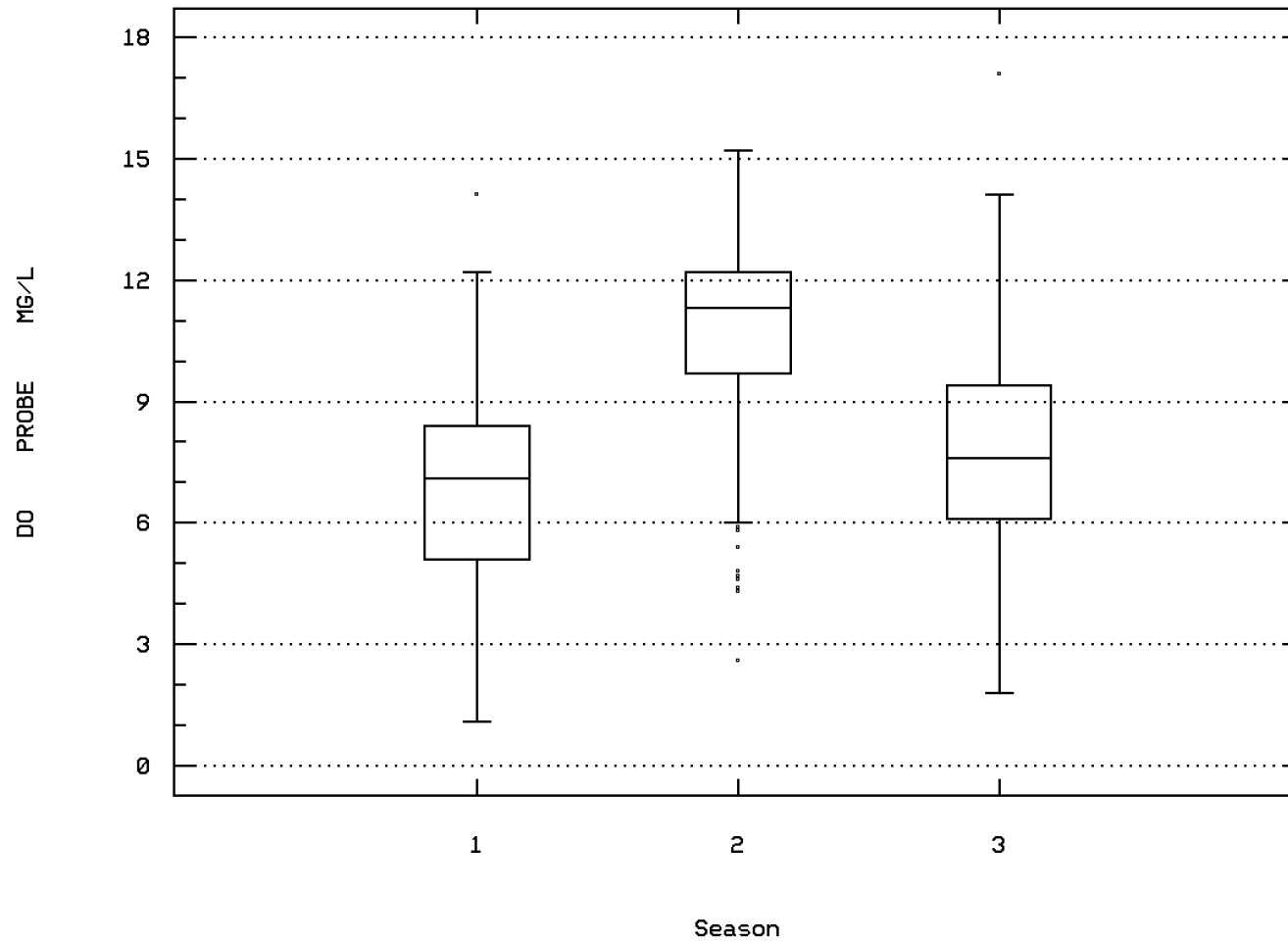
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00299

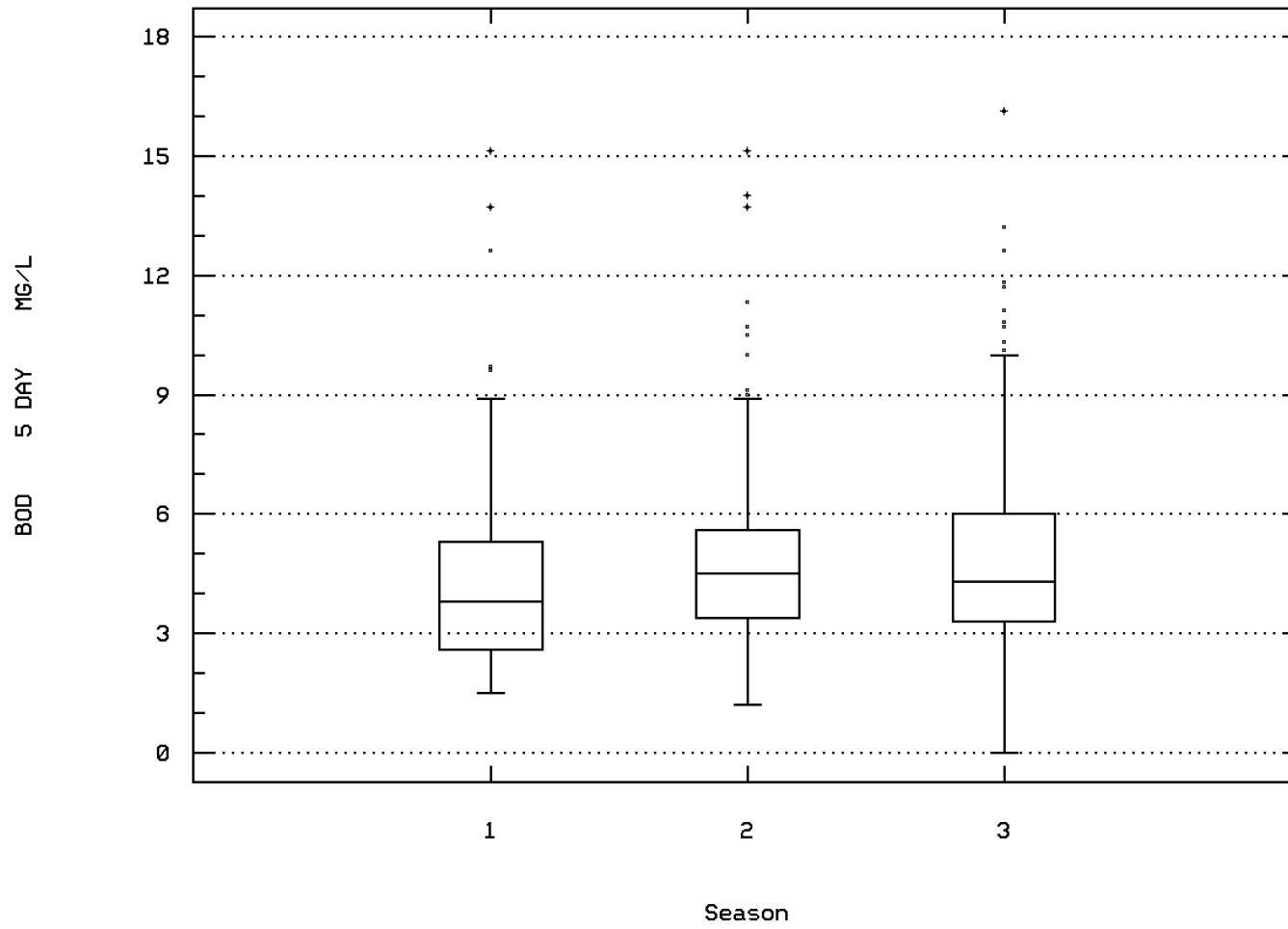
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00310

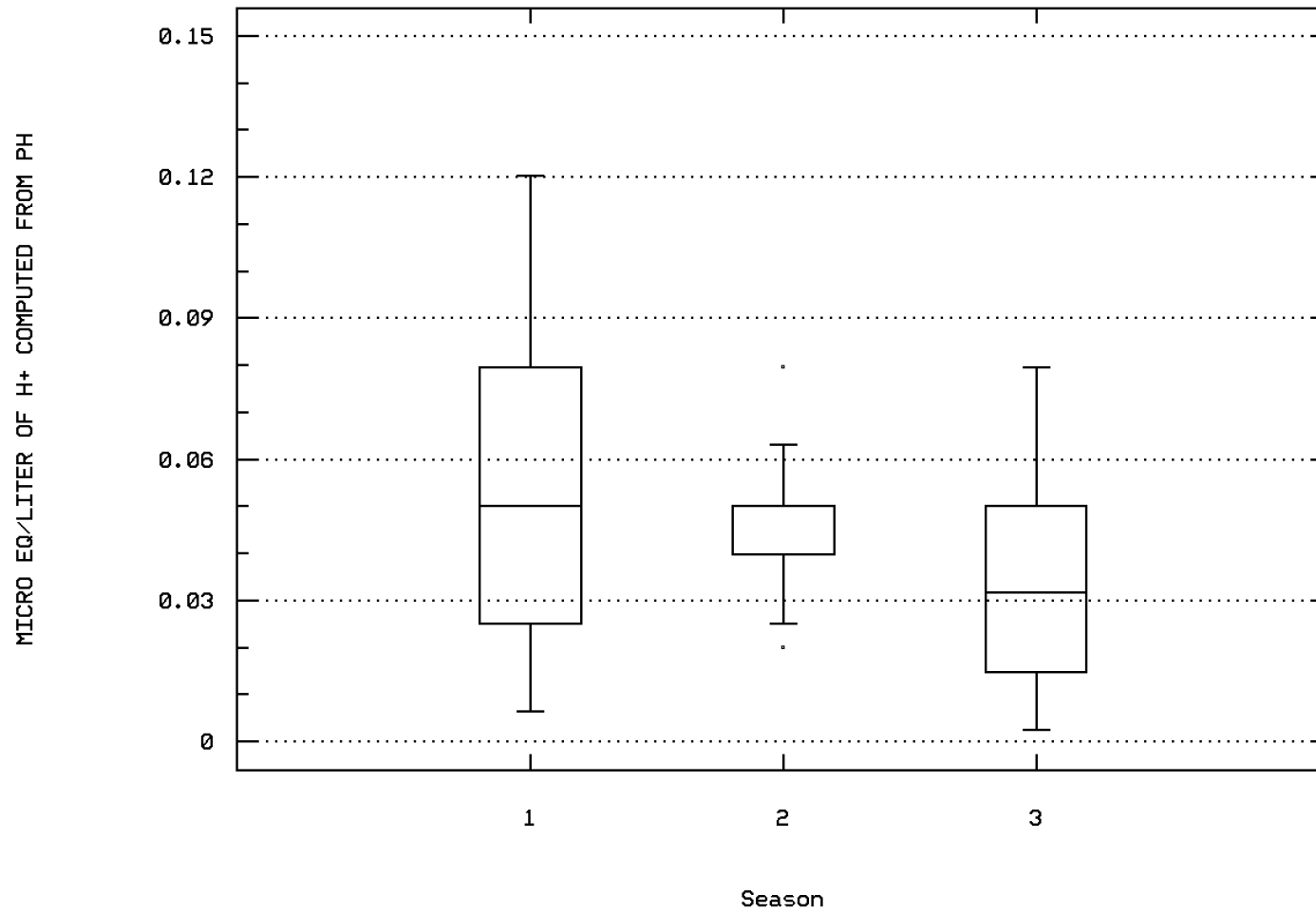
BOD, 5 DAY, 20 DEG C



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00400

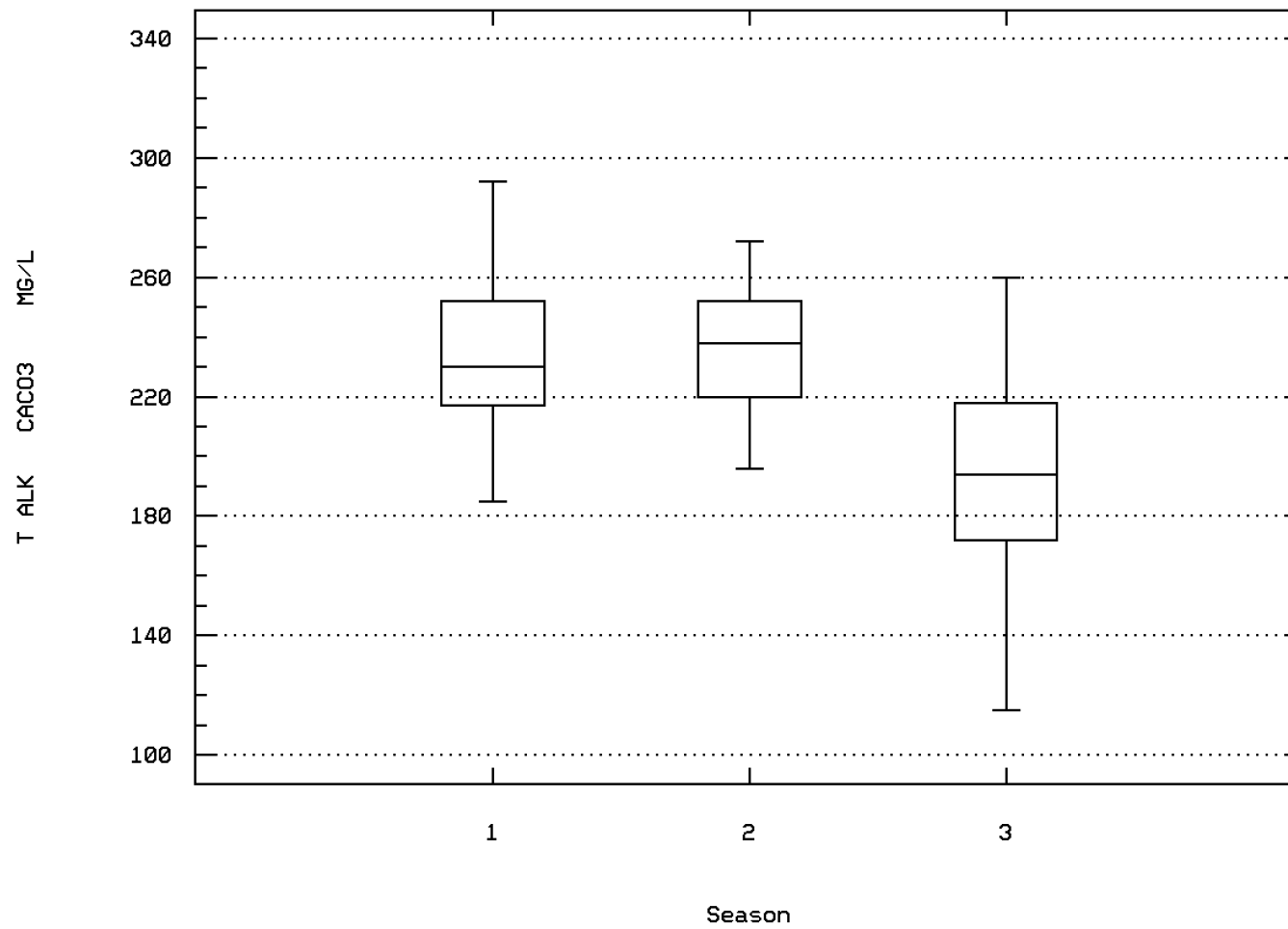
MICRO EQ/LITER OF H+ COMPUTED FROM PH



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00410

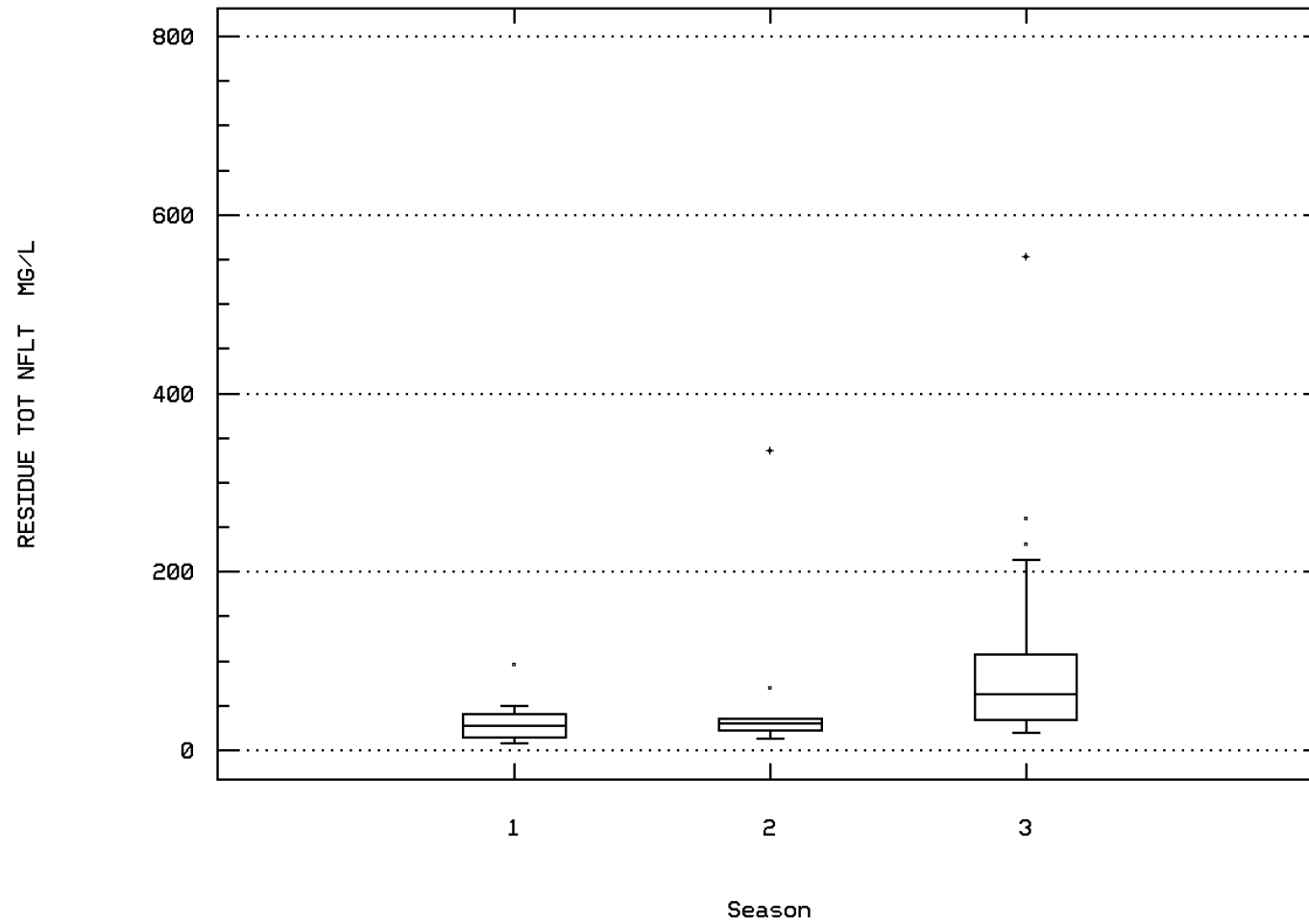
ALKALINITY, TOTAL (MG/L AS CaCO3)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00530

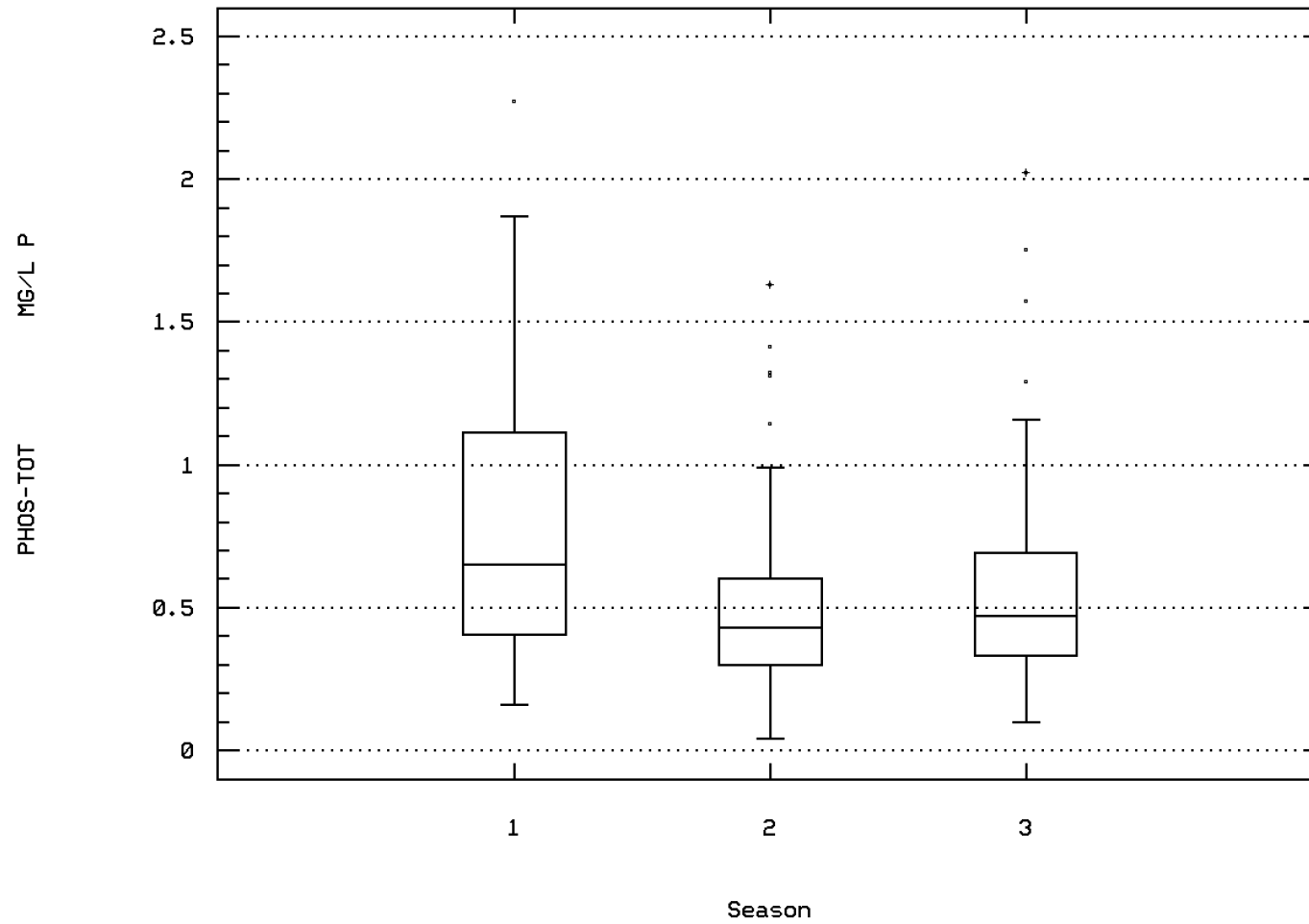
RESIDUE, TOTAL NONFILTRABLE (MG/L)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00665

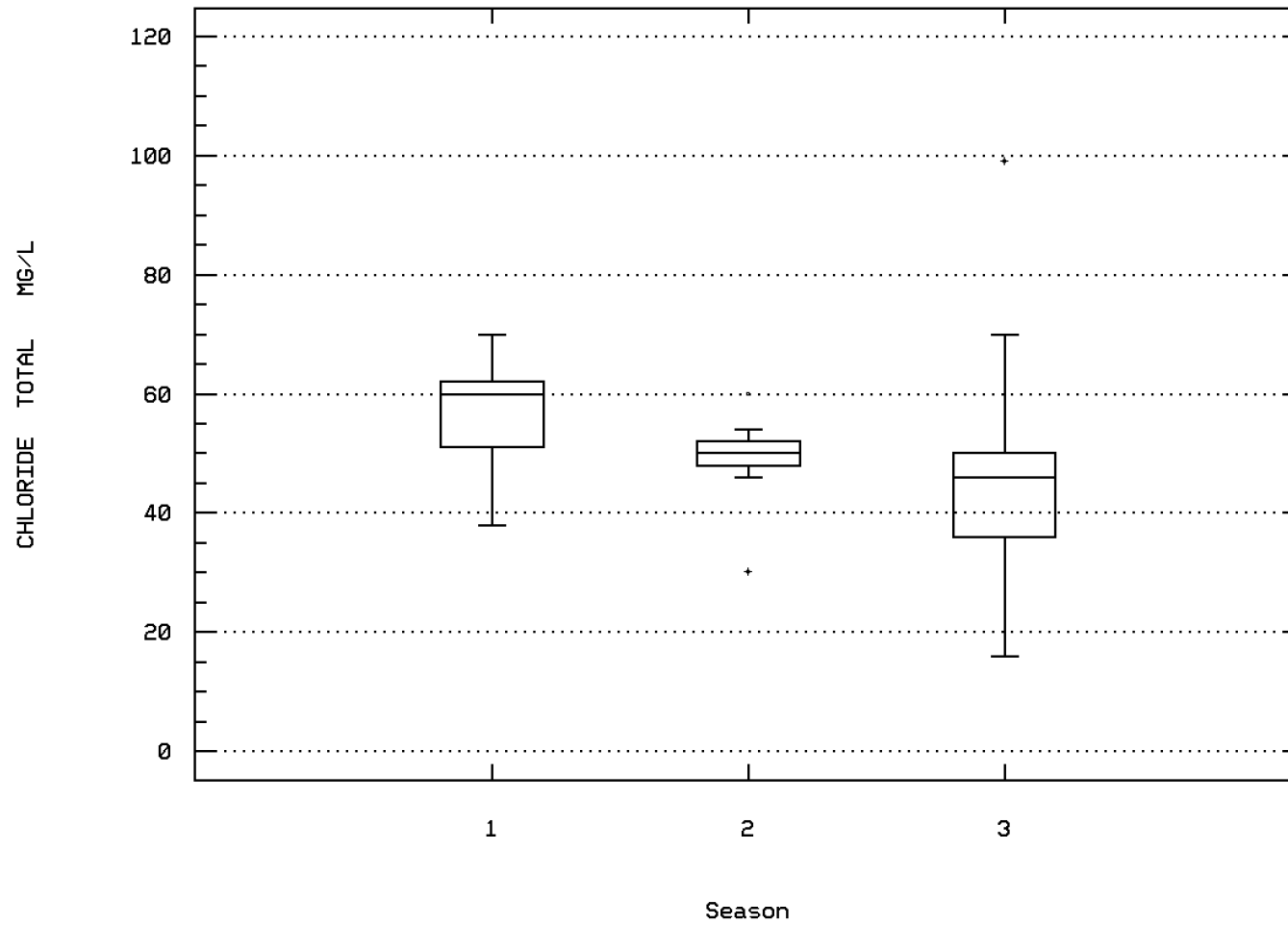
PHOSPHORUS, TOTAL (MG/L AS P)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 00940

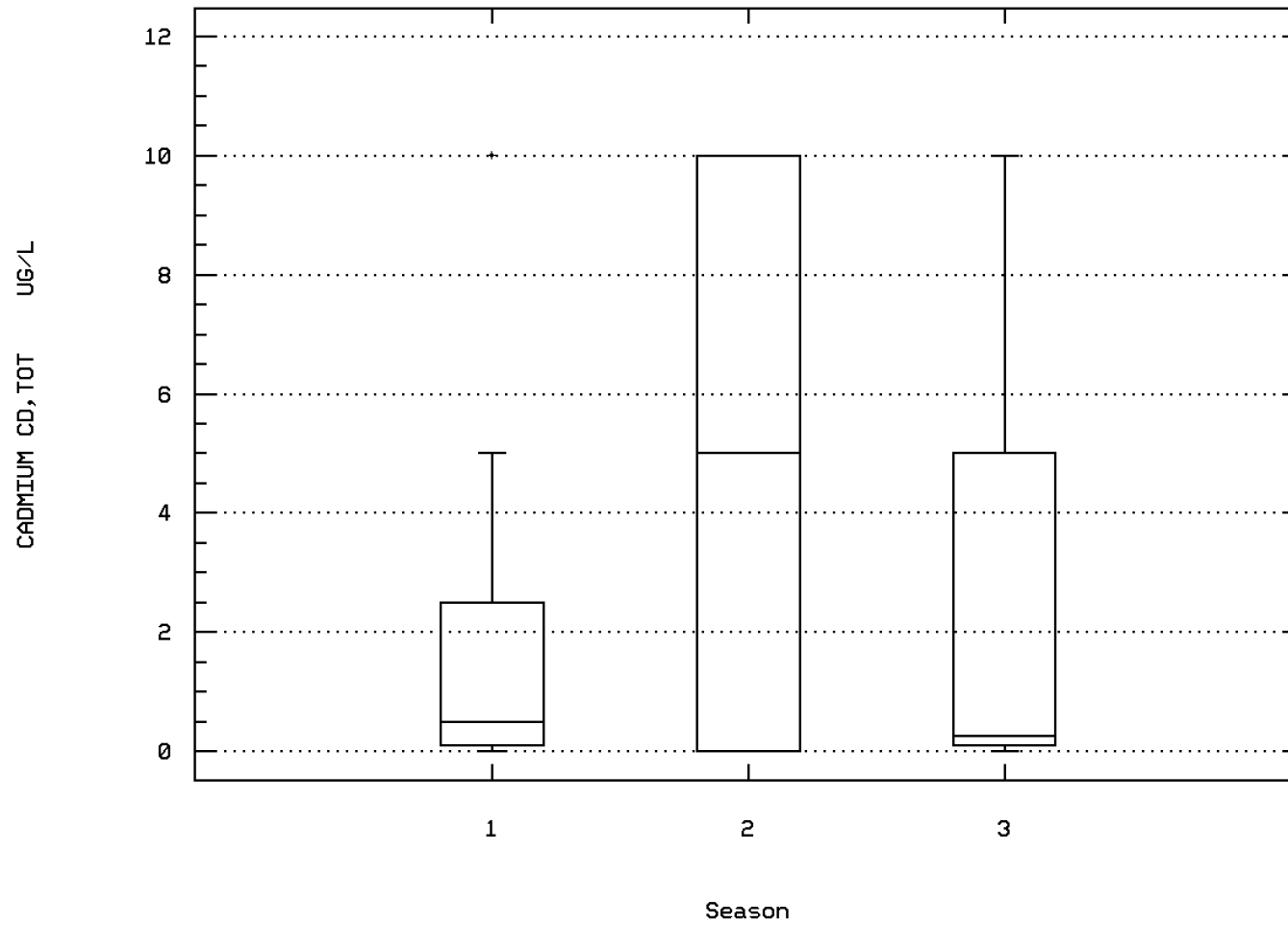
CHLORIDE, TOTAL IN WATER



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 01027

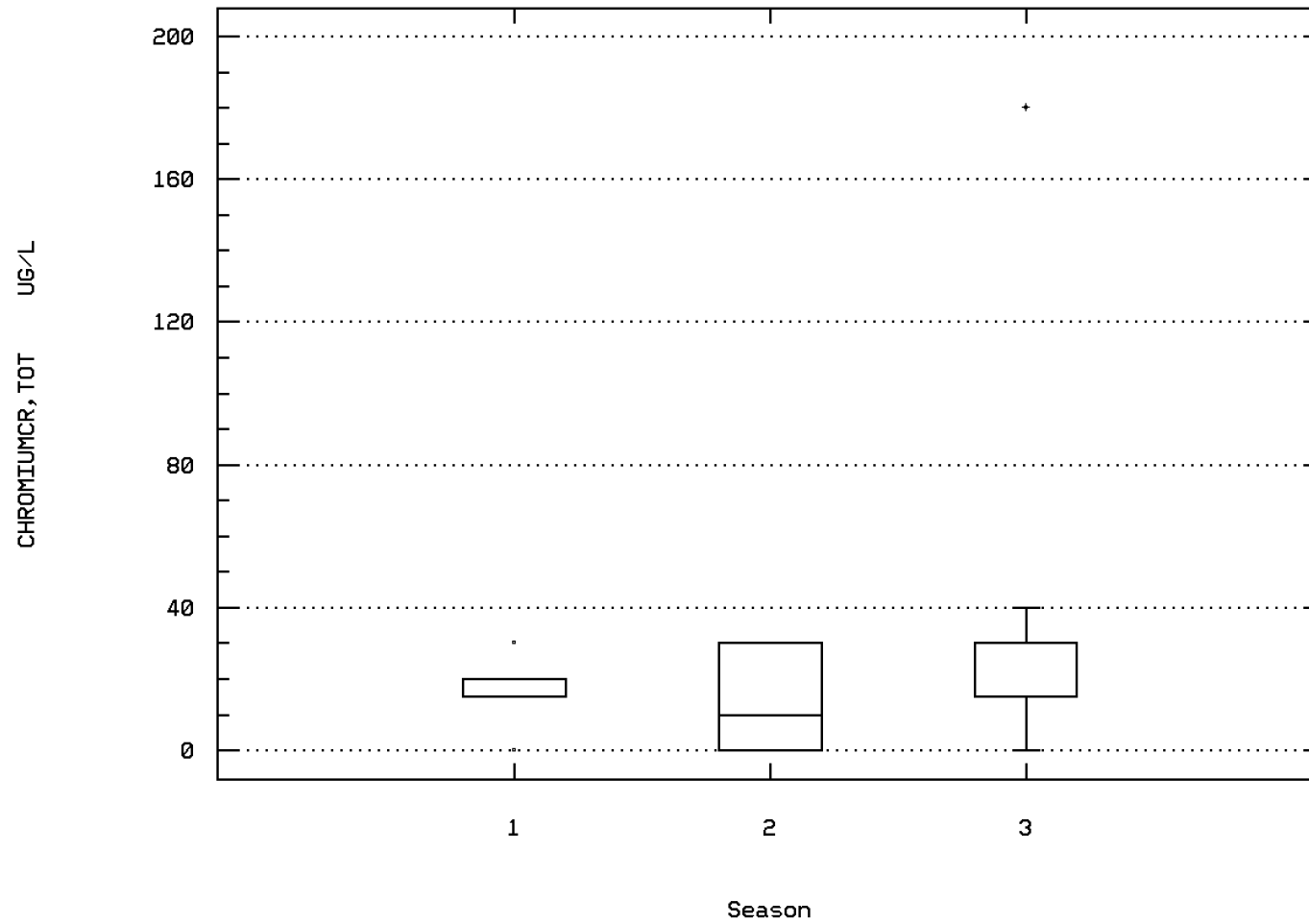
CADMIUM, TOTAL (UG/L AS CD)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 01034

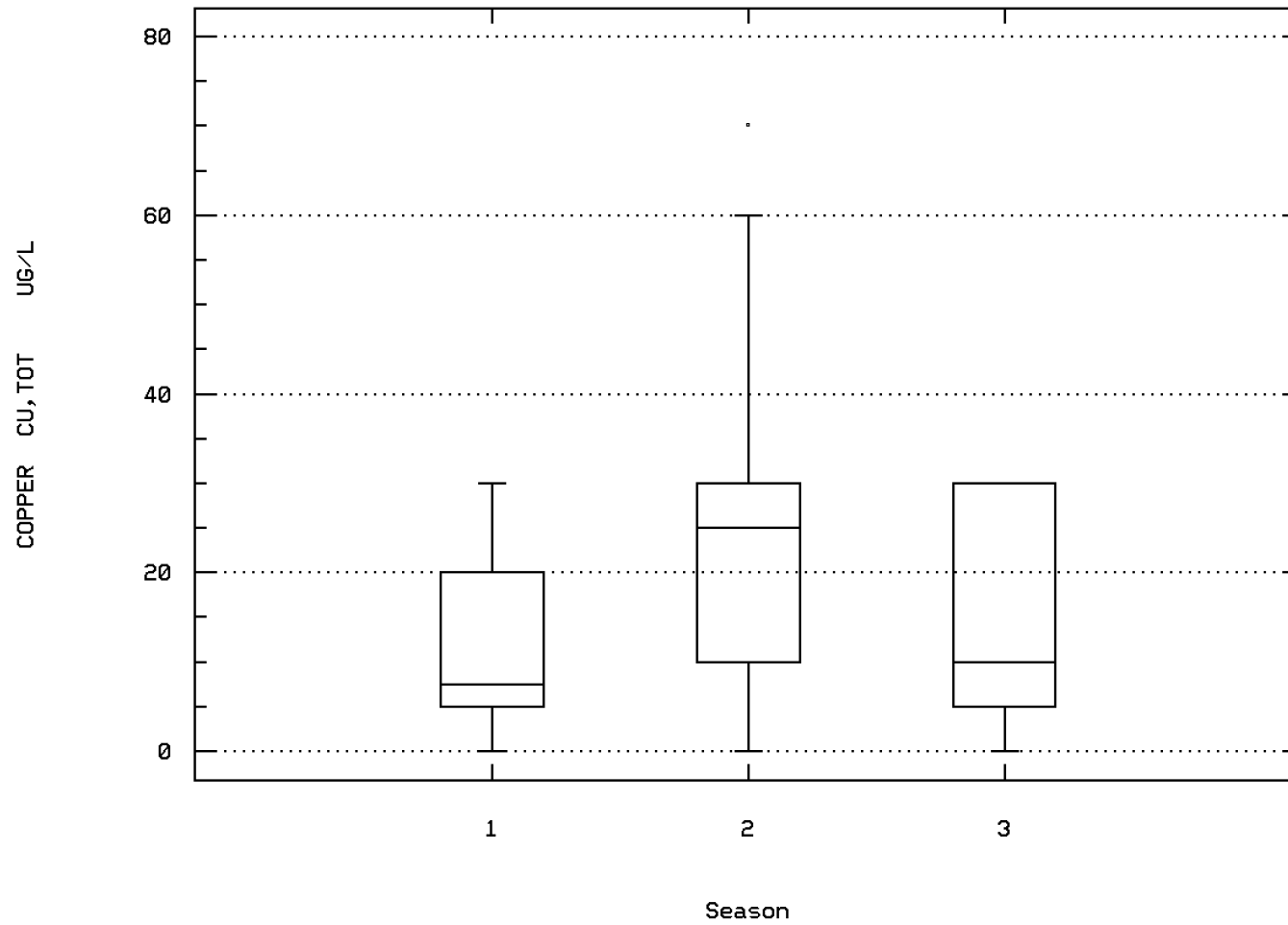
CHROMIUM, TOTAL (UG/L AS CR)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 01042

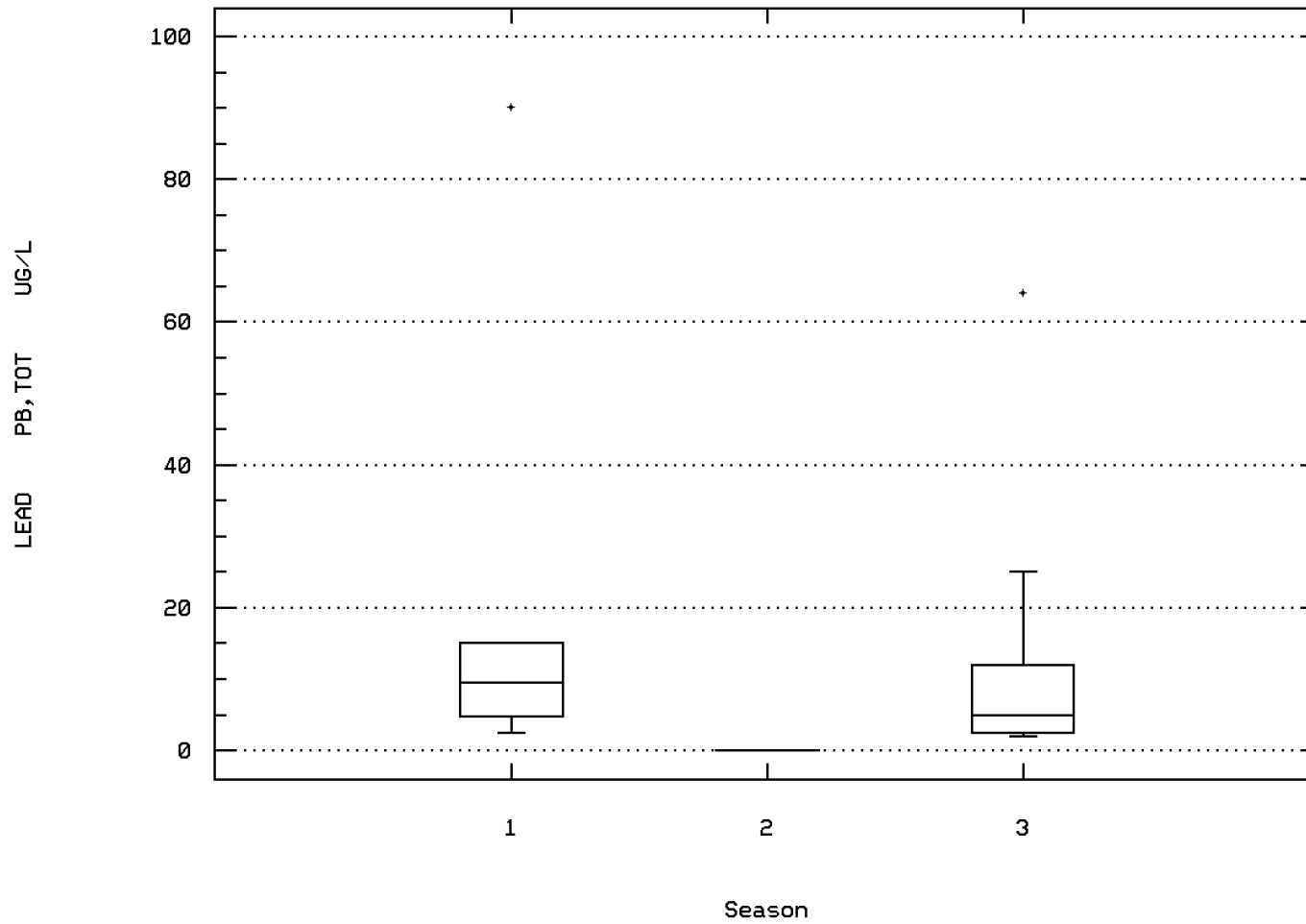
COPPER, TOTAL (UG/L AS CU)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 01051

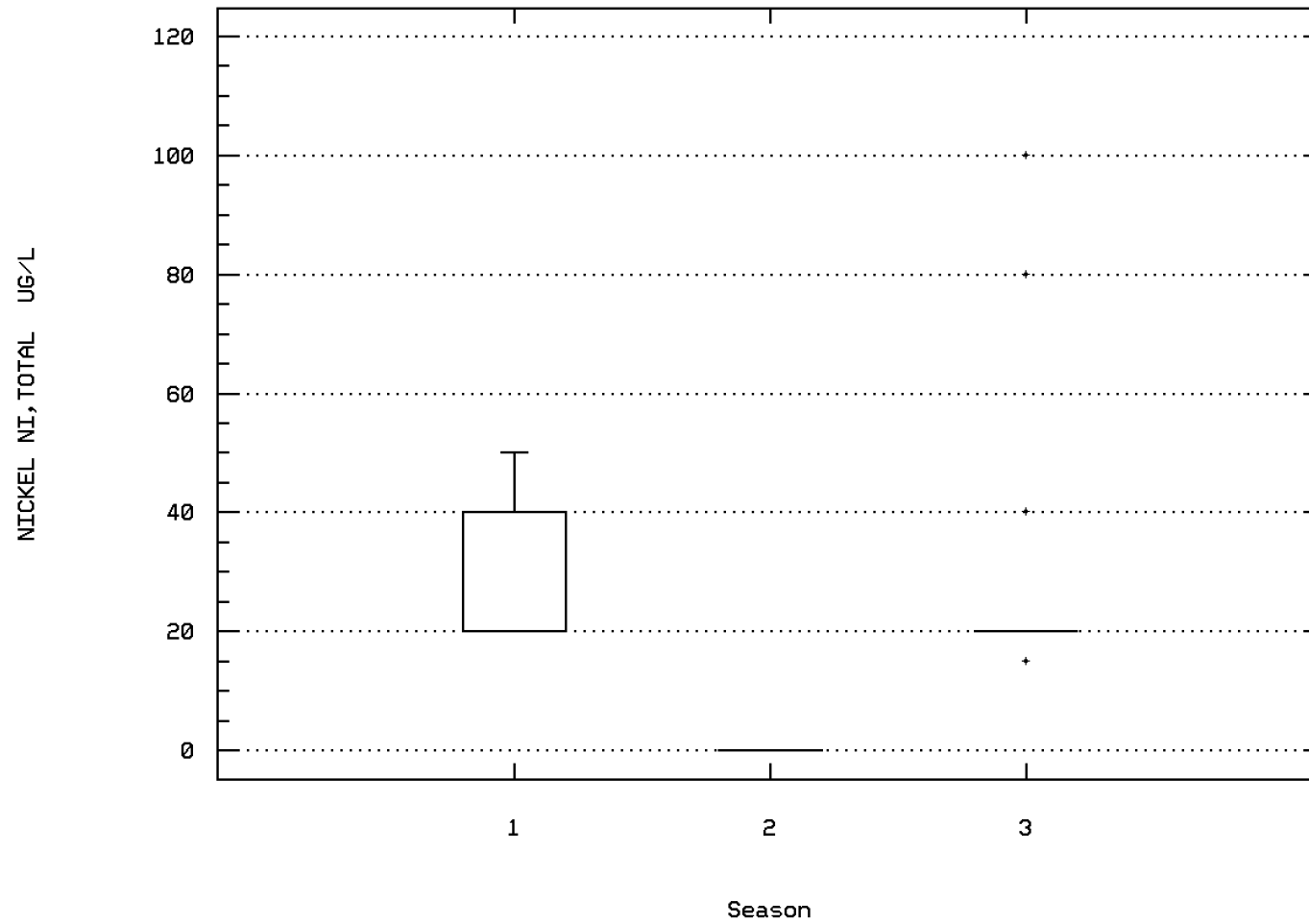
LEAD, TOTAL (UG/L AS PB)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 01067

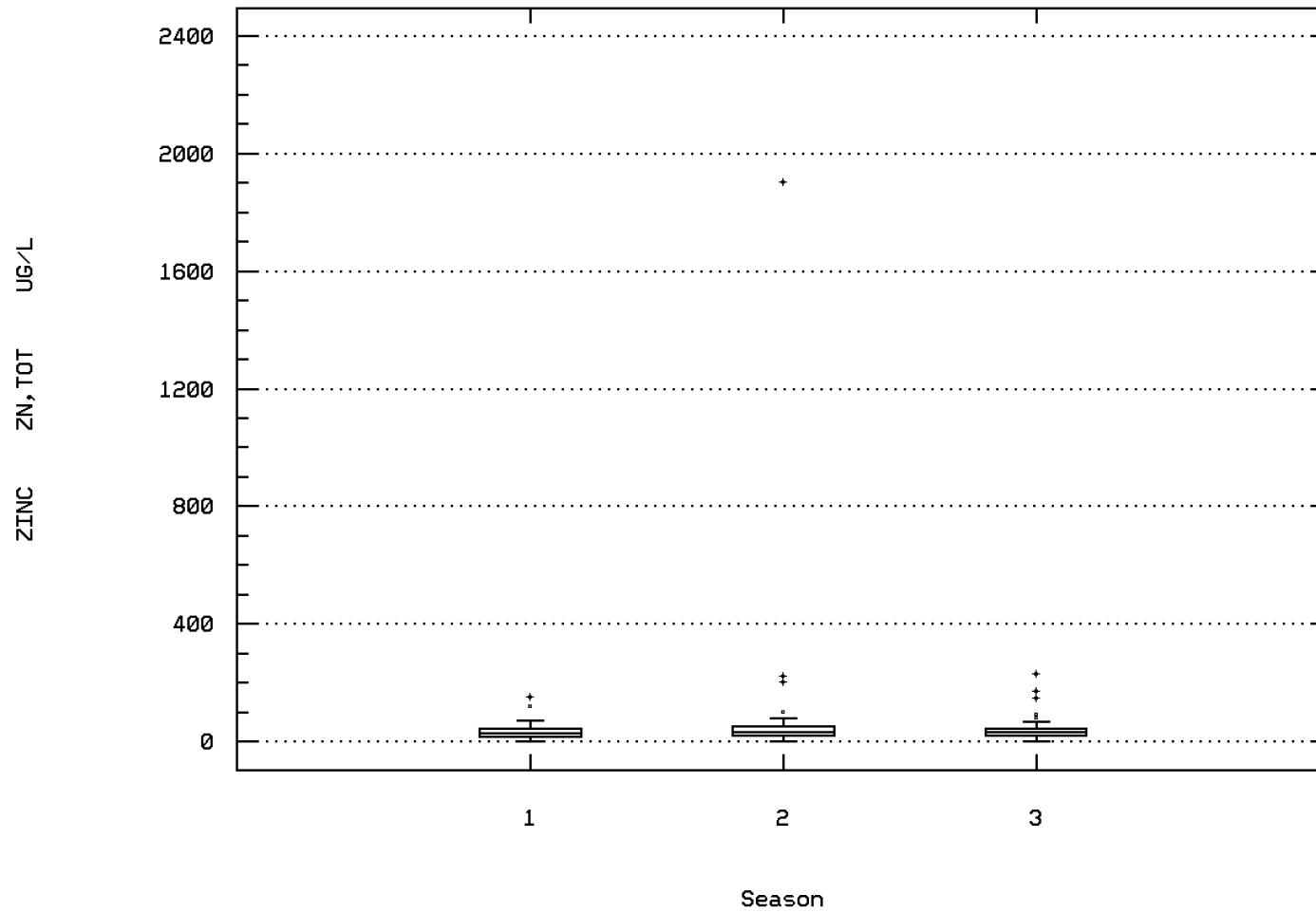
NICKEL, TOTAL (UG/L AS NI)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station: HOCU0031 Parameter Code: 01092

ZINC, TOTAL (UG/L AS ZN)



SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (

Station Inventory for Station: HOCU0032

NPS Station ID: HOCU0032 LAT/LON: 39.340838/ -82.975837

Location: SCIOTO R. AT CHILLICOTHE - BRIDGE ST. (RM 70.92)

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 070.92

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002078

RF3 Index: 05060002007809.37

Description:

PURPOSE - PWQMN STATION TO MONITOR ABOVE MAJOR TRIB. LOCATION - ROSS CO.; AT BUSINESS ROUTE 23 BRIDGE JUST NORTH OF

CHILLICOTHE. COLLECTION - OHIO EPA - CENTRAL DIST. - 614-466-6450

DATA CAN ALSO BE FOUND UNDER OHIO EPA STATION NUMBER 600760.

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): 601240 /P1804

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 1.50

Distance from RF3: 0.04

Date Created: / /

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/73-07/16/97	30	18.75	16.38	28.	1.	70.71	8.409	2.47	8.8	23.475	26.36
00061 FLOW, STREAM, INSTANTANEOUS CFS	01/22/76-07/16/97	19	1264.	2394.789	7287.	665.	4412004.287	2100.477	720.	901.	3687.	6476.
00065 STAGE, STREAM (FEET)	07/16/97-07/16/97	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	01/22/76-09/21/77	19	15.	18.179	54.	4.4	200.522	14.161	4.5	8.5	21.	40.
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/28/76-07/16/97	13	620.	654.231	900.	410.	16574.359	128.741	446.	595.	742.5	860.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/74-03/08/77	18	620.	699.333	1800.	365.	101430.941	318.482	459.5	500.	750.	1127.7
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/73-07/16/97	30	8.1	8.243	13.	5.4	3.458	1.859	5.93	6.875	9.025	11.38
00310 BOD, 5 DAY, 20 DEG C MG/L	06/28/73-07/16/97	31	4.4	5.094	16.	1.6	9.253	3.042	2.6	3.	5.9	8.56
00340 COD, .25N K2CR2O7 MG/L	05/31/74-09/21/77	26	24.	23.385	44.	4.	84.006	9.165	10.8	19.25	28.5	35.6
00400 PH (STANDARD UNITS)	03/24/76-07/16/97	12	7.75	7.704	8.1	7.25	0.074	0.272	7.295	7.425	7.9	8.07
00400 CONVERTED PH (STANDARD UNITS)	03/24/76-07/16/97	12	7.747	7.626	8.1	7.25	0.081	0.284	7.295	7.425	7.9	8.07
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/24/76-07/16/97	12	0.018	0.024	0.056	0.008	0.	0.015	0.009	0.013	0.038	0.051
00403 PH, LAB, STANDARD UNITS SU	05/31/74-09/21/77	20	7.8	7.84	8.1	7.6	0.027	0.164	7.7	7.7	7.975	8.1
00403 CONVERTED PH, LAB, STANDARD UNITS	05/31/74-09/21/77	20	7.8	7.813	8.1	7.6	0.028	0.166	7.7	7.7	7.975	8.1
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/31/74-09/21/77	20	0.016	0.015	0.025	0.008	0.	0.005	0.008	0.011	0.02	0.02
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	03/24/76-07/16/97	8	198.5	199.125	234.	151.	780.125	27.931	**	**	**	**
00435 ACIDITY, TOTAL (MG/L AS CaCO3)	03/24/76-08/23/77	7	2.	4.429	16.	0.	29.952	5.473	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/31/74-09/21/77	22	486.5	492.182	657.	319.	5065.013	71.169	407.1	453.	548.75	573.6
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/75-09/21/77	21	445.	426.143	602.	303.	4456.329	66.756	334.4	367.	456.5	502.6
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/74-07/16/97	30	42.	46.567	106.	10.	720.461	26.841	12.	26.75	65.25	92.5
00550 OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	03/24/76-08/23/77	6	5.	5.	5.	5.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/73-09/21/77	26	0.335	0.543	2.29	0.05	0.308	0.555	0.05	0.153	0.823	1.492
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	01/22/76-09/21/77	19	0.1	0.111	0.24	0.04	0.004	0.061	0.04	0.06	0.14	0.23
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/73-09/21/77	27	1.4	1.567	4.4	0.1	1.01	1.005	0.3	1.	2.	3.16
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/74-09/21/77	19	2.4	2.776	4.45	1.72	0.784	0.885	1.87	2.	3.36	4.27
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	02/15/77-03/08/77	2	0.78	0.78	1.02	0.54	0.115	0.339	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	01/22/76-07/19/77	13	1.49	1.408	2.39	0.5	0.26	0.51	0.56	1.11	1.755	2.17
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/30/75-09/21/77	21	0.6	0.674	1.54	0.2	0.136	0.369	0.276	0.39	0.99	1.294
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	01/22/76-09/21/77	18	10.	10.389	27.	1.	45.663	6.757	2.8	4.	14.25	20.7
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	01/22/76-09/21/77	18	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	03/24/76-07/16/97	8	313.	323.125	384.	290.	959.839	30.981	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916	CALCIUM, TOTAL (MG/L AS CA)	03/24/76-07/16/97	8	79.	83.5	111.	70.	181.714	13.48	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/24/76-07/16/97	8	27.5	26.188	33.	12.5	41.853	6.469	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/24/76-08/23/77	7	34.	41.429	101.	16.	795.286	28.201	**	**	**
00937	POTASSIUM, TOTAL (MG/L AS K)	03/24/76-08/23/77	7	4.6	9.643	41.	2.8	192.553	13.876	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	01/22/76-09/21/77	19	38.	44.632	149.	26.	721.69	26.864	26.	30.	48.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/24/76-07/16/97	8	98.5	101.	123.	81.	153.429	12.387	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/24/76-08/23/77	7	0.47	0.516	0.74	0.33	0.031	0.176	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/24/76-07/16/97	8	10.	9.	10.	2.	8.	2.828	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	03/24/76-08/23/77	7	200.	200.	200.	200.	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/75-07/16/97	10	5.	6.51	10.	0.1	11.245	3.353	0.59	5.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/75-07/16/97	10	30.	28.5	30.	15.	22.5	4.743	16.5	30.	30.
01042	COPPER, TOTAL (UG/L AS CU)	03/24/76-07/16/97	8	30.	26.875	30.	5.	78.125	8.839	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/31/74-07/16/97	16	1050.	1596.25	6840.	330.	2817945.	1678.674	379.	602.5	1832.5
01051	LEAD, TOTAL (UG/L AS PB)	11/22/74-07/16/97	11	12.	15.182	44.	0.	124.964	11.179	2.	10.	20.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/76-08/23/77	7	100.	112.857	270.	50.	5623.81	74.992	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/75-07/16/97	3	100.	73.333	100.	20.	2133.333	46.188	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	03/24/76-08/23/77	6	30.	30.	30.	30.	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/75-07/16/97	10	30.	37.3	80.	13.	339.567	18.427	14.7	30.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/16/97-07/16/97	1	454.	454.	454.	454.	0.	0.	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/24/76-08/23/77	6	5.	6.667	10.	5.	6.667	2.582	**	**	**
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	04/30/75-02/15/77	7	30.	30.	30.	30.	0.	0.	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-09/21/77	21	1000.	1689.048	5800.	280.	2227679.048	1492.541	556.	700.	2500.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-09/21/77	21	3.	3.092	3.763	2.447	0.118	0.344	2.745	2.845	3.398
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/30/75-09/21/77	21	GEOMETRIC MEAN =	1234.81							
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/30/75-09/21/77	21	210.	426.095	2100.	22.	356204.59	596.829	34.8	70.	470.
31679	LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	04/30/75-09/21/77	21	2.322	2.284	3.322	1.342	0.329	0.574	1.541	1.845	2.671
31679	GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	04/30/75-09/21/77	21	GEOMETRIC MEAN =	192.244							
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/22/76-09/21/77	19	3.	4.632	17.	2.	16.579	4.072	2.	2.	5.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/22/76-09/21/77	19	0.14	0.16	0.25	0.08	0.003	0.056	0.1	0.12	0.23
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/16/97-07/16/97	1	496.	496.	496.	496.	0.	0.	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/27/76-08/23/77	6	0.5	1.25	5.	0.5	3.375	1.837	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	19	1	0.05	3	0	0.00	5	0	0.00	11	1	0.09			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	30	0	0.00	5	0	0.00	6	0	0.00	19	0	0.00			
00400	PH	Fresh Chronic	9.	12	0	0.00	1	0	0.00				11	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	1	0	0.00				11	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	20	0	0.00	4	0	0.00	6	0	0.00	10	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	4	0	0.00	6	0	0.00	10	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	19	0	0.00	3	0	0.00	5	0	0.00	11	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	3	0	0.00	5	0	0.00	11	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	18	0	0.00	3	0	0.00	5	0	0.00	10	0	0.00			
		Drinking Water	0.2	18	0	0.00	3	0	0.00	5	0	0.00	10	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	19	0	0.00	3	0	0.00	5	0	0.00	11	0	0.00			
		Drinking Water	250.	19	0	0.00	3	0	0.00	5	0	0.00	11	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00				2	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00				2	0	0.00	5	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00				2	0	0.00	6	0	0.00			
		Drinking Water	50.	8	0	0.00				2	0	0.00	6	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	7	0	0.00				2	0	0.00	5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	9	0.90				2	2	1.00	8	7	0.88			
		Drinking Water	5.	10	9	0.90				2	2	1.00	8	7	0.88			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00				2	0	0.00	8	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	7	0.88				2	2	1.00	6	5	0.83			
		Drinking Water	1300.	8	0	0.00				2	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0032

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01051 LEAD, TOTAL	Fresh Acute	82.	11	0	0.00				3	0	0.00	8	0	0.00			
	Drinking Water	15.	11	4	0.36				3	1	0.33	8	3	0.38			
01067 NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
	Drinking Water	100.	3	2	0.67							3	2	0.67			
01077 SILVER, TOTAL	Fresh Acute	4.1	6	6	1.00				2	2	1.00	4	4	1.00			
	Drinking Water	100.	6	0	0.00				2	0	0.00	4	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	10	0	0.00				2	0	0.00	8	0	0.00			
	Drinking Water	5000.	10	0	0.00				2	0	0.00	8	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00				2	0	0.00	4	0	0.00			
	Drinking Water	50.	6	0	0.00				2	0	0.00	4	0	0.00			
01220 CHROMIUM, HEXAVALENT, DISSOLVED	Fresh Acute	16.	7	7	1.00				2	2	1.00	5	5	1.00			
	Drinking Water	100.	7	0	0.00				2	0	0.00	5	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	21	21	1.00	3	3	1.00	5	5	1.00	13	13	1.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	6	1	0.17				2	0	0.00	4	1	0.25			
	Drinking Water	2.	6	1	0.17				2	0	0.00	4	1	0.25			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/73-07/16/97	5	17.5	16.5	21.	9.	26.	5.099	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/73-07/16/97	5	6.5	6.68	8.3	5.7	1.082	1.04	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/73-07/16/97	5	3.2	3.66	5.7	2.7	1.403	1.184	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/74-07/16/97	5	45.	51.2	88.	12.	894.7	29.912	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/31/74-07/16/97	2	1915.	1915.	2500.	1330.	684450.	827.315	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/73-07/16/97	6	3.15	3.55	7.5	1.	6.035	2.457	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/73-07/16/97	6	11.3	10.983	13.	8.4	2.418	1.555	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/73-07/16/97	6	3.25	5.317	16.	1.6	28.802	5.367	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/74-07/16/97	6	14.5	23.167	63.	10.	422.167	20.547	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/31/74-07/16/97	3	520.	593.333	930.	330.	94033.333	306.649	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/73-07/16/97	19	22.	20.4	28.	8.2	34.536	5.877	10.	15.	25.	27.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/28/73-07/16/97	19	8.	7.789	9.7	5.4	1.26	1.122	6.2	6.9	8.5	9.4
00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/73-07/16/97	20	4.75	5.385	12.8	2.2	6.089	2.468	2.63	3.925	6.675	8.68
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/74-07/16/97	19	42.	52.737	106.	23.	615.982	24.819	26.	36.	66.	95.
01045	IRON, TOTAL (UG/L AS FE)	05/31/74-07/16/97	11	1100.	1811.818	6840.	400.	3766476.364	1940.741	438.	640.	2000.	6272.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0033

NPS Station ID: HOCU0033
 Location: KINNIKINNICK C NR KINNIKINNICK OH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060002
 Major Basin:
 Minor Basin:
 RF1 Index: 05060002079
 RF3 Index: 05060002007000.00
 Description:

LAT/LON: 39.439727/ -82.976392

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.790
 RF3 Mile Point: 0.00

Agency: 112WRD
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 03231300
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.01

Date Created: / /

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: HOCU0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/65-09/05/73	8	18.15	18.488	23.	12.8	13.181	3.631	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	09/02/66-10/05/70	5	9.	8.8	11.	6.	3.7	1.924	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/21/72-09/05/73	2	10.5	10.5	12.	9.	4.5	2.121	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/65-09/05/73	8	574.	552.5	672.	447.	6201.714	78.751	**	**	**
00400	PH (STANDARD UNITS)	11/08/65-09/05/73	8	7.9	7.888	8.	7.7	0.013	0.113	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/08/65-09/05/73	8	7.9	7.874	8.	7.7	0.013	0.113	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/65-09/05/73	8	0.013	0.013	0.02	0.01	0.	0.004	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/21/72-09/05/73	2	5.05	5.05	6.3	3.8	3.125	1.768	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/09/68-09/05/73	5	256.	237.8	305.	171.	2931.7	54.145	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	11/08/65-09/05/73	8	301.	287.875	372.	209.	2980.125	54.591	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	11/08/65-09/05/73	8	0.	0.	0.	0.	0.	0.	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/21/72-09/05/73	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/21/72-09/05/73	2 ##	0.003	0.003	0.005	0.	0.	0.004	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/08/65-09/05/73	8	305.	296.75	362.	230.	2220.5	47.122	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	11/08/65-09/05/73	8	60.	60.625	76.	52.	54.268	7.367	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	11/08/65-09/05/73	8	8.	7.75	9.	7.	0.5	0.707	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/67-09/05/73	6	56.5	56.833	58.	56.	0.967	0.983	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/05/70-09/05/73	3	0.3	0.3	0.4	0.2	0.01	0.1	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	11/08/65-09/05/73	8	323.	312.5	368.	250.	1670.571	40.873	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/09/68-09/05/73	5	7.79	8.24	9.94	7.42	1.141	1.068	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/09/68-09/05/73	5	0.44	0.418	0.5	0.34	0.004	0.066	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/69-09/05/73	4	1.4	1.725	2.7	1.4	0.423	0.65	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/05/70-09/05/73	3	0.	0.	0.	0.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00400	PH	Fresh Chronic	9.	8	0	0.00	6	0	0.00	1	0	0.00	1	0	0.00		
		Other-Lo Lim.	6.5	8	0	0.00	6	0	0.00	1	0	0.00	1	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00								
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	6	0	0.00	1	0	0.00	1	0	0.00		
		Drinking Water	250.	8	0	0.00	6	0	0.00	1	0	0.00	1	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0033

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	5	0	0.00				1	0	0.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	4	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0034

NPS Station ID: HOCU0034 LAT/LON: 39.440837/ -82.979171

Location: SCIOTO R. UPST CONFL KINNIKINNICK CREEK RM=83.0

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 083.00

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002079

RF3 Index: 05060003000100.00

Description:

PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS

RMI=624.93/83.00

WATER USE DESIGNATION AS OF 5/30/80-WWH

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.790

RF3 Mile Point: 0.00

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13P05

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.09

Date Created: 08/09/80

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	08/14/79-10/31/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-08/19/97	7	23.	22.314	25.4	17.6	7.625	2.761	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-08/19/97	7	650.	604.857	801.	365.	33550.476	183.168	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-08/19/97	3	755.	643.333	766.	409.	41214.333	203.013	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-08/19/97	7	8.	7.643	10.2	5.5	2.343	1.531	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/09/92-08/19/97	7	2.2	2.543	6.4	1.	3.273	1.809	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/09/92-08/19/97	7	21.	18.143	29.	5.	92.143	9.599	**	**	**	**
00400 PH (STANDARD UNITS)	07/09/92-08/19/97	7	7.88	7.95	8.31	7.6	0.062	0.248	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/09/92-08/19/97	7	7.88	7.892	8.31	7.6	0.066	0.256	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-08/19/97	7	0.013	0.013	0.025	0.005	0.	0.007	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	4	7.8	7.75	7.9	7.5	0.037	0.191	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	07/09/92-09/24/92	4	7.789	7.717	7.9	7.5	0.038	0.195	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/24/92	4	0.016	0.019	0.032	0.013	0.	0.009	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-08/19/97	3	144.	151.667	189.	122.	1166.333	34.152	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-08/19/97	7	49.	64.571	168.	20.	2714.619	52.102	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/79-08/19/97	10	0.07	0.103	0.33	0.025	0.011	0.106	0.025	0.025	0.145	0.322
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/14/79-08/19/97	10	0.95	0.948	1.4	0.4	0.119	0.346	0.428	0.695	1.225	1.39
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	08/14/79-08/19/97	10	2.585	2.576	4.27	1.01	1.071	1.035	1.051	1.63	3.333	4.204
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/14/79-08/19/97	10	0.29	0.295	0.525	0.14	0.013	0.114	0.141	0.218	0.365	0.511
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-08/19/97	3	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/09/92-08/19/97	7	298.	278.	343.	201.	3151.333	56.137	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	10/31/79-08/19/97	8	79.5	74.5	88.	54.	193.714	13.918	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	10/31/79-08/19/97	8	25.5	24.125	30.	16.	27.839	5.276	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	07/09/92-08/19/97	7	31.	29.571	41.	12.	159.286	12.621	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/23/97-08/19/97	3	5.	5.333	6.	5.	0.333	0.577	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/09/92-08/19/97	7	38.	37.143	54.	16.	226.81	15.06	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/09/92-08/19/97	7	98.	86.143	118.	40.	920.143	30.334	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-08/19/97	2	0.35	0.35	0.5	0.2	0.045	0.212	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/09/92-08/19/97	7 ##	1.	1.571	3.	1.	0.619	0.787	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/14/79-08/19/97	10 ##	0.1	0.84	2.5	0.1	1.316	1.147	0.1	0.1	2.5	2.5
01034 CHROMIUM, TOTAL (UG/L AS CR)	08/14/79-08/19/97	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	08/14/79-08/19/97	10 ##	5.	8.	15.	3.	24.889	4.989	3.1	4.75	15.
01045	IRON, TOTAL (UG/L AS FE)	08/14/79-08/19/97	10	1190.	2140.3	7280.	600.	4365396.011	2089.353	606.2	751.25	6922.
01051	LEAD, TOTAL (UG/L AS PB)	08/14/79-08/19/97	10	2.75	4.45	18.	1.	25.358	5.036	1.	1.75	5.25
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-08/19/97	3	96.	103.667	164.	51.	3236.333	56.889	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/14/79-08/19/97	10 ##	20.	29.	50.	20.	210.	14.491	20.	20.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	08/14/79-08/19/97	10	45.5	40.	69.	15.	420.	20.494	15.	18.	56.
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-08/19/97	3	691.	1814.333	4260.	492.	4495864.333	2120.345	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-08/19/97	3 ##	1.	1.333	2.	1.	0.333	0.577	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	340.	375.	580.	240.	22566.667	150.222	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	2.527	2.549	2.763	2.38	0.028	0.167	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			354.222							
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/09/92-08/19/97	7	440.	410.	520.	266.	10328.	101.627	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/14/79-08/19/97	6 ##	0.225	0.25	0.6	0.1	0.034	0.184	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0034

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	1	0	0.00			6	0	0.00			
00400	PH	Fresh Chronic	9.	7	0	0.00	1	0	0.00			6	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	1	0	0.00			6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00			3	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00			3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	3	0	0.00			7	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	1	0	0.00			6	0	0.00			
		Drinking Water	250.	7	0	0.00	1	0	0.00			6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	1	0	0.00			6	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00						2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	1	0	0.00			6	0	0.00			
		Drinking Water	50.	7	0	0.00	1	0	0.00			6	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	0	0.00	3	0	0.00			7	0	0.00			
		Drinking Water	5.	10	0	0.00	3	0	0.00			7	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	3	0	0.00			7	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	0	0.00	3	0	0.00			7	0	0.00			
		Drinking Water	1300.	10	0	0.00	3	0	0.00			7	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	3	0	0.00			7	0	0.00			
		Drinking Water	15.	10	1	0.10	3	0	0.00			7	1	0.14			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	3	0	0.00			7	0	0.00			
		Drinking Water	100.	10	0	0.00	3	0	0.00			7	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	3	0	0.00			7	0	0.00			
		Drinking Water	5000.	10	0	0.00	3	0	0.00			7	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00						3	0	0.00			
		Drinking Water	50.	3	0	0.00						3	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00						4	4	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	2	0	0.00			4	0	0.00			
		Drinking Water	2.	6	0	0.00	2	0	0.00			4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0035

NPS Station ID: HOCU0035 LAT/LON: 39.441115/ -82.980004

Location: KINNIKINNICK CREEK 4 MI SW OF KINGSTON- AT MOUTH

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1400

RMI-Miles: 0953.80 0624.93 082.96 000.01

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002079

RF3 Index: 05060002008000.00

Description:

PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS

RMI=624.93/82.96/0.01

WATER USE DESIGNATION AS OF 12/3/79-WWH

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.790

RF3 Mile Point: 1.01

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13P04

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.01

Date Created: 03/29/80

On/Off RF1: OFF

On/Off RF3:

LOCATION-ROSS COUNTY:KINNIKINNICK CREEK NEAR MOUTH 4 MI SW OF KINGSTON

COLLECTION-OHIO EPA-SOUTHEAST DIST OFFICE

Parameter Inventory for Station: HOCU0035

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	05/22/79-05/22/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/79-05/22/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/22/79-05/22/79	1	470.	470.	470.	470.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/22/79-05/22/79	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/22/79-05/22/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/22/79-05/22/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/79-05/22/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/79-05/22/79	1	386.	386.	386.	386.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/79-05/22/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/79-05/22/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/79-05/22/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/22/79-05/22/79	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/22/79-05/22/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/22/79-05/22/79	1	361.	361.	361.	361.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/22/79-05/22/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/22/79-05/22/79	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/22/79-05/22/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/22/79-05/22/79	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/22/79-05/22/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/22/79-05/22/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	05/22/79-05/22/79	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0035

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00						1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00						1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00						1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00						1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00						1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00						1	0	0.00			
		Drinking Water	250.	1	0	0.00						1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00						1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
		Drinking Water	5.	1	0	0.00						1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00						1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00						1	0	0.00			
		Drinking Water	1300.	1	0	0.00						1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00						1	0	0.00			
		Drinking Water	15.	1	0	0.00						1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	100.	1	0	0.00						1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00						1	0	0.00			
		Drinking Water	5000.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0036

NPS Station ID: HOCU0036 LAT/LON: 39.451115/ -82.981670

Location: BLACKWATER CREEK 4 MI WSW OF KINGSTON - AT MOUTH

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1420

RMI-Miles: 0953.80 0624.93 083.85 000.01

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002080

RF3 Index: 05060002011500.00

Description:

PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS

RMI=624.93/83.85/0.01

WATER USE DESIGNATION AS OF 12/3/79-WWH

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 1.530

RF3 Mile Point: 0.25

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13P03

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

Date Created: 02/23/80

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	05/22/79-05/22/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/79-05/22/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/22/79-05/22/79	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/22/79-05/22/79	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/22/79-05/22/79	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/79-05/22/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/22/79-05/22/79	1	398.	398.	398.	398.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/79-05/22/79	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/79-05/22/79	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/79-05/22/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/22/79-05/22/79	1	1.82	1.82	1.82	1.82	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/22/79-05/22/79	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/22/79-05/22/79	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/22/79-05/22/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/22/79-05/22/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/22/79-05/22/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/22/79-05/22/79	1	610.	610.	610.	610.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/22/79-05/22/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/22/79-05/22/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/22/79-05/22/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	05/22/79-05/22/79	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0036

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00						1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00						1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00						1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00						1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00						1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00						1	0	0.00			
		Drinking Water	250.	1	0	0.00						1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00						1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
		Drinking Water	5.	1	0	0.00						1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00						1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00						1	0	0.00			
		Drinking Water	1300.	1	0	0.00						1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00						1	0	0.00			
		Drinking Water	15.	1	0	0.00						1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	100.	1	0	0.00						1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00						1	0	0.00			
		Drinking Water	5000.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0037

NPS Station ID: HOCU0037 LAT/LON: 39.416115/ -83.003060

Location: SCIOTO R. NEAR ANDERSONVILLE - MOUTH OF DRY RUN

Station Type: /TYP/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 079.81

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002

RF3 Index: 05060002092000.00

Description:

PURPOSE - INTENSIVE SURVEY OF THE LOWER SCIOTO RIVER BASIN.

MILES SOUTHWEST OF ANDERSONVILLE.

OFFICE. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.11

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13W08

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 6.30

Distance from RF3: 0.10

Date Created: 05/18/98

On/Off RF1:

On/Off RF3:

LOCATION - ROSS CO.: LOCATED NEAR THE MOUTH OF DRY RUN, APPROX. 0.9

COLLECTION - SAMPLES COLLECTED BY THE OHIO EPA SOUTHEAST DISTRICT

U.S.G.S. QUADRANGLE - ANDERSONVILLE, OHIO

Parameter Inventory for Station: HOCU0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/97-09/23/97	5	23.2	22.56	25.2	17.8	7.963	2.822	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/97-09/23/97	5	737.	687.2	796.	417.	23550.2	153.461	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/97-09/23/97	5	743.	685.6	800.	411.	25192.3	158.721	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/97-09/23/97	5	8.5	8.68	11.2	6.	3.857	1.964	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/24/97-09/23/97	5	2.4	2.92	6.7	1.	4.817	2.195	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/24/97-09/23/97	5	25.	23.6	36.	5.	168.8	12.992	**	**	**	**
00400 PH (STANDARD UNITS)	07/24/97-09/23/97	5	7.76	7.936	8.41	7.65	0.102	0.32	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/24/97-09/23/97	5	7.76	7.857	8.41	7.65	0.11	0.332	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/97-09/23/97	5	0.017	0.014	0.022	0.004	0.	0.008	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/24/97-09/23/97	5	189.	185.4	222.	132.	1080.8	32.876	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/97-09/23/97	5	25.	37.	89.	10.	1086.5	32.962	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/97-09/23/97	5 ##	0.025	0.04	0.1	0.025	0.001	0.034	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/97-09/23/97	5	0.6	0.7	1.2	0.3	0.15	0.387	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/97-09/23/97	5	2.46	2.246	3.	1.23	0.43	0.656	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/24/97-09/23/97	5	0.25	0.268	0.39	0.15	0.008	0.091	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/23/97	4	3.85	4.65	7.6	3.3	3.95	1.987	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/97-09/23/97	5	330.	308.8	362.	209.	3526.7	59.386	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/24/97-09/23/97	5	86.	80.2	94.	54.	236.2	15.369	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS Mg)	07/24/97-09/23/97	5	28.	26.4	31.	18.	27.3	5.225	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/24/97-09/23/97	5	30.	29.4	43.	10.	156.3	12.502	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/24/97-09/23/97	5	5.	5.	6.	4.	0.5	0.707	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/24/97-09/23/97	5	41.	38.	57.	12.	271.5	16.477	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/24/97-09/23/97	5	94.	87.4	114.	40.	829.8	28.806	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/23/97	4	0.4	0.368	0.47	0.2	0.014	0.116	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/24/97-09/23/97	5 ##	1.	1.4	3.	1.	0.8	0.894	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS Cd)	07/24/97-09/23/97	5 ##	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS Cr)	07/24/97-09/23/97	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS Cu)	07/24/97-09/23/97	5 ##	5.	4.2	8.	1.	7.7	2.775	**	**	**	**
01045 IRON, TOTAL (UG/L AS Fe)	07/24/97-09/23/97	5	511.	1044.4	2980.	429.	1204468.8	1097.483	**	**	**	**
01051 LEAD, TOTAL (UG/L AS Pb)	07/24/97-09/23/97	5 ##	1.	1.4	2.	1.	0.3	0.548	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS Mn)	07/24/97-09/23/97	5	48.	61.	99.	36.	801.5	28.311	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	07/24/97-09/23/97	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/24/97-09/23/97	5	14.	15.4	29.	5.	84.3	9.182	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/24/97-09/23/97	5	467.	701.4	1880.	235.	445759.3	667.652	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/24/97-09/23/97	5 ##	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	235.	235.	310.	160.	11250.	106.066	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	2.348	2.348	2.491	2.204	0.041	0.203	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	2.348	2.348	2.491	2.204	0.041	0.203	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/24/97-09/23/97	5	454.	423.4	492.	250.	10021.8	100.109	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/24/97-09/23/97	5 ##	0.1	0.12	0.2	0.1	0.002	0.045	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0037

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	2	0	0.00				3	0	0.00			
00400 PH	Fresh Chronic	9.	5	0	0.00	2	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	2	0	0.00				3	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00				2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5.	5	0	0.00	2	0	0.00				3	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	1300.	5	0	0.00	2	0	0.00				3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	15.	5	0	0.00	2	0	0.00				3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5000.	5	0	0.00	2	0	0.00				3	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50							2	1	0.50			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0038

NPS Station ID: HOCU0038

Location: DEER CREEK NR ANDERSONVILLE - AT MOUTH

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1450

RMI-Miles: 0953.80 0624.93 085.26 000.10

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002081

RF3 Index: 05060002011100.00

Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS
RIVER- 6 MI NORTH OF SPRINGFIELD
COLLECTION-OHIO EPA-CENTRAL DISTRICT OFFICE

LAT/LON: 39.456948/ -83.003337

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.250

RF3 Mile Point: 0.03

LOCATION- PICKAWAY COUNTY DEER CREEK .1 MI ABOVE CONFLUENCE W/ SCIOTO
RMI-624.93/85.26/.1

Agency: 21OHIO

FIPS State/County: 39129 OHIO/PICKAWAY

STORET Station ID(s): V09P09

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 1.30

Distance from RF3: 0.01

On/Off RF1: OFF

On/Off RF3:

Date Created: 02/23/80

Parameter Inventory for Station: HOCU0038

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/23/79-07/24/79	4	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/79-07/24/79	3	22.5	22.033	23.	20.6	1.603	1.266	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/79-07/24/79	3	7.6	7.5	8.1	6.8	0.43	0.656	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/79-07/23/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**
00400	PH (STANDARD UNITS)	07/23/79-07/24/79	3	7.4	7.433	7.5	7.4	0.003	0.058	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/79-07/24/79	3	7.4	7.431	7.5	7.4	0.003	0.058	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/79-07/24/79	3	0.04	0.037	0.04	0.032	0.	0.005	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/79-07/23/79	1	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/79-07/23/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0038

Parameter	Std. Type	Std. Value	Total		Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs				Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			
00400	PH	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00							3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0039

NPS Station ID: HOCU0039 LAT/LON: 39.380282/ -83.003893

Location: SCIOTO R. UPST CHILLICOTHE - N OF MOUND CITY

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190

RMI-Miles: 0953.80 0624.93 075.50

HUC: 05060002

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060002

RF3 Index: 05060002092000.00

Description:

PURPOSE - INTENSIVE SURVEY OF THE LOWER SCIOTO RIVER BASIN.

MONUMENT, 3.1 MILES UPSTREAM FROM THE CHILLICOTHE CORRECTIONAL WWTP. COLLECTION - SAMPLES COLLECTED BY THE OHIO EPA SOUTHEAST DISTRICT

OFFICE. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.

LOCATION - ROSS CO.; LOCATED JUST NORTH OF THE MOUND CITY GROUP NATIONAL
U.S.G.S. QUADRANGLE - ANDERSONVILLE, OHIO

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V13W09

Within Park Boundary: No

Date Created: 05/18/98

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.11

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 6.30

Distance from RF3: 0.10

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: HOCU0039

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/97-09/23/97	5	23.4	22.64	24.7	18.	7.283	2.699	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/24/97-09/23/97	5	793.	713.4	819.	402.	30815.3	175.543	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/97-09/23/97	5	811.	713.	826.	399.	32946.5	181.512	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/97-09/23/97	5	6.8	6.84	7.7	5.8	0.473	0.688	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/24/97-09/23/97	5	3.	3.12	4.8	1.	2.372	1.54	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	08/05/97-09/23/97	4	26.5	26.25	37.	15.	118.25	10.874	**	**	**	**
00400 PH (STANDARD UNITS)	07/24/97-09/23/97	5	7.87	7.77	8.25	6.94	0.242	0.492	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/24/97-09/23/97	5	7.87	7.496	8.25	6.94	0.336	0.58	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/97-09/23/97	5	0.013	0.032	0.115	0.006	0.002	0.046	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/24/97-09/23/97	5	176.	172.2	216.	123.	1201.2	34.658	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/97-09/23/97	5	53.	77.4	224.	16.	7054.3	83.99	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/97-09/23/97	4 ##	0.038	0.048	0.09	0.025	0.001	0.031	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/05/97-09/23/97	4	0.805	0.803	1.2	0.4	0.107	0.327	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/97-09/23/97	4	2.605	2.44	3.1	1.45	0.527	0.726	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/05/97-09/23/97	4	0.408	0.474	1.05	0.031	0.18	0.425	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/23/97	4	4.75	4.9	6.3	3.8	1.673	1.294	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/24/97-09/23/97	5	330.	310.	365.	216.	3516.5	59.3	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/24/97-09/23/97	5	86.	80.6	95.	55.	248.3	15.758	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS Mg)	07/24/97-09/23/97	5	28.	26.4	31.	19.	24.3	4.93	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/24/97-09/23/97	5	37.	35.6	48.	12.	200.3	14.153	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/24/97-09/23/97	5	6.	5.6	6.	5.	0.3	0.548	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/24/97-09/23/97	5	50.	46.	61.	15.	323.	17.972	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/24/97-09/23/97	5	111.	96.	122.	38.	1193.5	34.547	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/23/97	4	0.42	0.38	0.48	0.2	0.015	0.124	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/24/97-09/23/97	5 ##	1.	1.4	3.	1.	0.8	0.894	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS Cd)	07/24/97-09/23/97	5 ##	0.1	0.16	0.3	0.1	0.008	0.089	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS Cr)	07/24/97-09/23/97	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS Cu)	07/24/97-09/23/97	5	4.	4.2	9.	1.	9.7	3.114	**	**	**	**
01045 IRON, TOTAL (UG/L AS Fe)	07/24/97-09/23/97	5	1160.	2453.	8050.	699.	9933658.	3151.771	**	**	**	**
01051 LEAD, TOTAL (UG/L AS Pb)	07/24/97-09/23/97	5	2.	2.8	6.	1.	4.7	2.168	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS Mn)	07/24/97-09/23/97	5	81.	88.	177.	46.	2746.	52.402	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0039

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	07/24/97-09/23/97	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/24/97-09/23/97	5	24.	27.8	50.	19.	165.7	12.872	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/24/97-09/23/97	5	684.	1476.	4720.	418.	3316830.	1821.217	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/24/97-09/23/97	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2 ##	187.5	187.5	370.	5.	66612.5	258.094	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2 ##	1.634	1.634	2.568	0.699	1.747	1.322	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2 ##	1.634	1.634	2.568	0.699	1.747	1.322	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/24/97-09/23/97	5	502.	447.6	526.	244.	13950.8	118.114	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/24/97-09/23/97	5 ##	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0039

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	2	0	0.00				3	0	0.00			
00400 PH	Fresh Chronic	9.	5	0	0.00	2	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00				2	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00				2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5.	5	0	0.00	2	0	0.00				3	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	1300.	5	0	0.00	2	0	0.00				3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	15.	5	0	0.00	2	0	0.00				3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5000.	5	0	0.00	2	0	0.00				3	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50							2	1	0.50			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0040

NPS Station ID: HOCU0040 LAT/LON: 39.458059/ -83.019170
 Location: DEER CREEK NR ANDERSONVILLE - S.R. 104 (RM 1.05)

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 600930 /S1801
 Within Park Boundary: No

Date Created: / /

Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes: 1021500 007720 13190 1450
 RMI-Miles: 0953.80 0624.93 085.26 001.05

HUC: 05060002
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER

Depth of Water: 0
 Elevation: 0

RF1 Index: 05060002088
 RF3 Index: 05060002007600.00

RF1 Mile Point: 0.800
 RF3 Mile Point: 0.00

Aquifer:
 Water Body ID:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.04

On/Off RF1: OFF
 On/Off RF3:

Description:

PURPOSE - SECONDARY MONITORING STATION TO MONITOR TRIB BEFORE ITS CONFLUENCE WITH ANOTHER STREAM.
 LOCATION - ROSS CO.; AT ST. RT. 104; 1.4 MI. SOUTH OF KELLENBERGER ROAD. COLLECTION - OHIO EPA - CENTRAL DIST. - 614-466-6450

Parameter Inventory for Station: HOCU0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	757	12.2	12.191	26.7	-2.8	62.06	7.878	1.7	5.5	19.4	22.2
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/27/76-04/27/76	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/14/76-08/25/81	11	600.	561.455	750.	395.	12132.273	110.147	401.	460.	600.	740.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	868	460.	460.392	850.	220.	8271.761	90.949	350.	400.	510.	570.5
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	910	9.	9.278	17.	4.6	3.713	1.927	7.1	7.875	10.4	12.
00310p BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	859	2.9	3.816	84.6	0.	16.501	4.062	1.2	1.9	4.6	7.4
00340 COD, .25N K2CR2O7 MG/L	06/11/68-08/25/81	19	16.	17.211	44.	4.	104.62	10.228	4.	10.	25.	32.
00343p OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	832	13.	14.363	100.	0.	73.106	8.55	7.	10.	18.	23.
00400 PH (STANDARD UNITS)	06/11/68-03/10/78	18	8.1	8.011	8.4	7.3	0.125	0.353	7.3	7.75	8.3	8.4
00400 CONVERTED PH (STANDARD UNITS)	06/11/68-03/10/78	18	8.1	7.852	8.4	7.3	0.151	0.389	7.3	7.75	8.3	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/68-03/10/78	18	0.008	0.014	0.05	0.004	0.	0.015	0.004	0.005	0.018	0.05
00403p PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	889	7.7	7.639	8.6	2.7	0.213	0.461	7.1	7.3	8.	8.2
00403p CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	889	7.7	5.634	8.6	2.7	4.237	2.058	7.1	7.3	8.	8.2
00403p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	889	0.02	2.322	1995.262	0.003	4478.685	66.923	0.006	0.01	0.05	0.079
00500 RESIDUE, TOTAL (MG/L)	04/27/76-12/17/76	8	426.	409.	494.	324.	3145.714	56.087	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/27/76-12/17/76	8	374.5	375.375	443.	313.	2685.982	51.826	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/27/76-08/25/81	14	22.	26.357	77.	10.	314.093	17.723	10.	14.5	32.5	60.
00550 OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	11/05/76-11/05/76	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/71-08/25/81	28	0.	0.034	0.35	0.	0.005	0.07	0.	0.	0.05	0.102
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/71-08/25/81	20	0.03	0.067	0.39	0.	0.012	0.11	0.001	0.015	0.04	0.296
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/27/76-08/25/81	7	0.5	0.586	1.4	0.3	0.138	0.372	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	07/22/71-08/25/81	21	2.77	3.499	21.6	0.2	20.138	4.488	0.408	1.12	3.525	6.762
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/71-06/06/72	14	1.5	1.829	4.6	0.4	1.439	1.2	0.5	1.	2.625	4.05
00665 PHOSPHORUS, TOTAL (MG/L AS P)	04/27/76-08/25/81	8	0.055	0.066	0.11	0.025	0.001	0.029	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	06/30/81-08/25/81	6	319.	312.	341.	253.	982.	31.337	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	06/30/81-08/25/81	6	72.1	70.6	78.7	56.2	66.448	8.152	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	06/30/81-08/25/81	6	33.9	32.967	35.8	27.3	9.575	3.094	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	04/27/76-04/27/76	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	06/30/81-08/25/81	6 ##	0.25	0.292	0.5	0.25	0.01	0.102	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/30/81-08/25/81	6 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	06/30/81-08/25/81	6 ##	5.	10.833	30.	5.	104.167	10.206	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	06/30/81-08/25/81	6	955.	1096.667	1950.	620.	272386.667	521.907	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	06/30/81-08/25/81	5	6.	10.4	27.	2.5	108.175	10.401	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	06/30/81-08/25/81	6 ##	20.	19.167	20.	15.	4.167	2.041	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	06/30/81-08/25/81	6	12.5	10.833	15.	5.	24.167	4.916	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/27/76-08/25/81	11	190.	381.545	1190.	4.	203266.073	450.85	11.2	59.	750.	1189.6
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/27/76-08/25/81	11	2.279	2.187	3.076	0.602	0.544	0.737	0.802	1.771	2.875	3.075
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/27/76-12/17/76	7	110.	211.	560.	8.	53782.333	231.91	**	**	**	**
31679 FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	04/27/76-12/17/76	7	2.041	1.904	2.748	0.903	0.614	0.784	**	**	**	**
31679 LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	06/30/81-08/25/81	6 ##	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	04/27/76-04/27/76	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/30/81-08/25/81	6	369.5	368.333	387.	344.	220.267	14.841	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L												

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

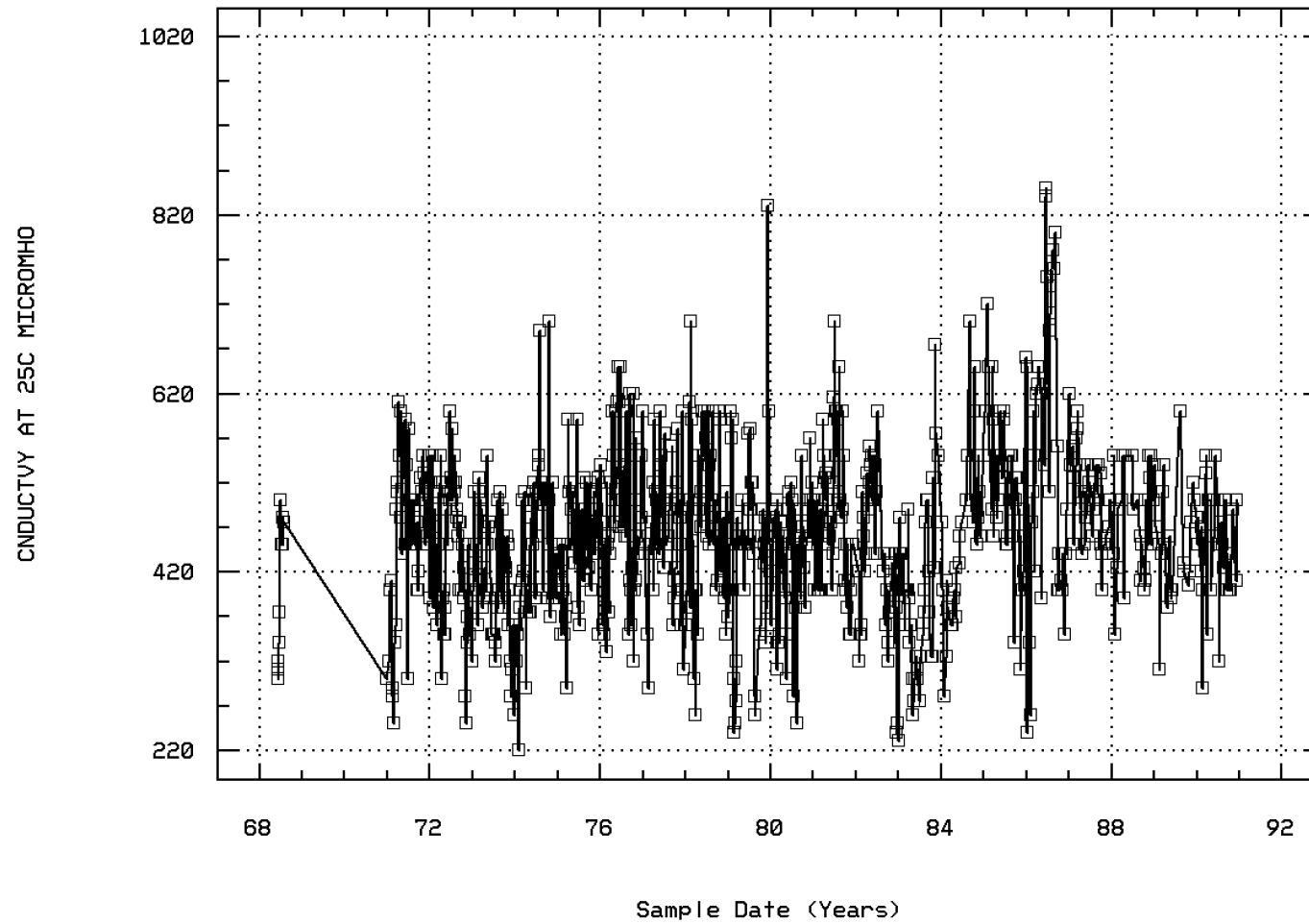
EPA Water Quality Criteria Analysis for Station: HOCU0040

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	910	0	0.00	156	0	0.00	326	0	0.00	428	0	0.00			
00400 PH	Fresh Chronic	9.	18	0	0.00				2	0	0.00	16	0	0.00			
	Other-Lo Lim.	6.5	18	0	0.00				2	0	0.00	16	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	889	0	0.00	156	0	0.00	327	0	0.00	406	0	0.00			
	Other-Lo Lim.	6.5	889	4	0.00	156	2	0.01	327	2	0.01	406	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	20	0	0.00	5	0	0.00	6	0	0.00	9	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	21	1	0.05	6	1	0.17	6	0	0.00	9	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00							6	0	0.00			
	Drinking Water	5.	6	0	0.00							6	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00							6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	6	1	0.17							6	1	0.17			
	Drinking Water	1300.	6	0	0.00							6	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00							5	0	0.00			
	Drinking Water	15.	5	1	0.20							5	1	0.20			
01067 NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00							6	0	0.00			
	Drinking Water	100.	6	0	0.00							6	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	6	0	0.00							6	0	0.00			
	Drinking Water	5000.	6	0	0.00							6	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	11	5	0.45	2	1	0.50	2	0	0.00	7	4	0.57			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: HOCU0040 Parameter Code: 00095

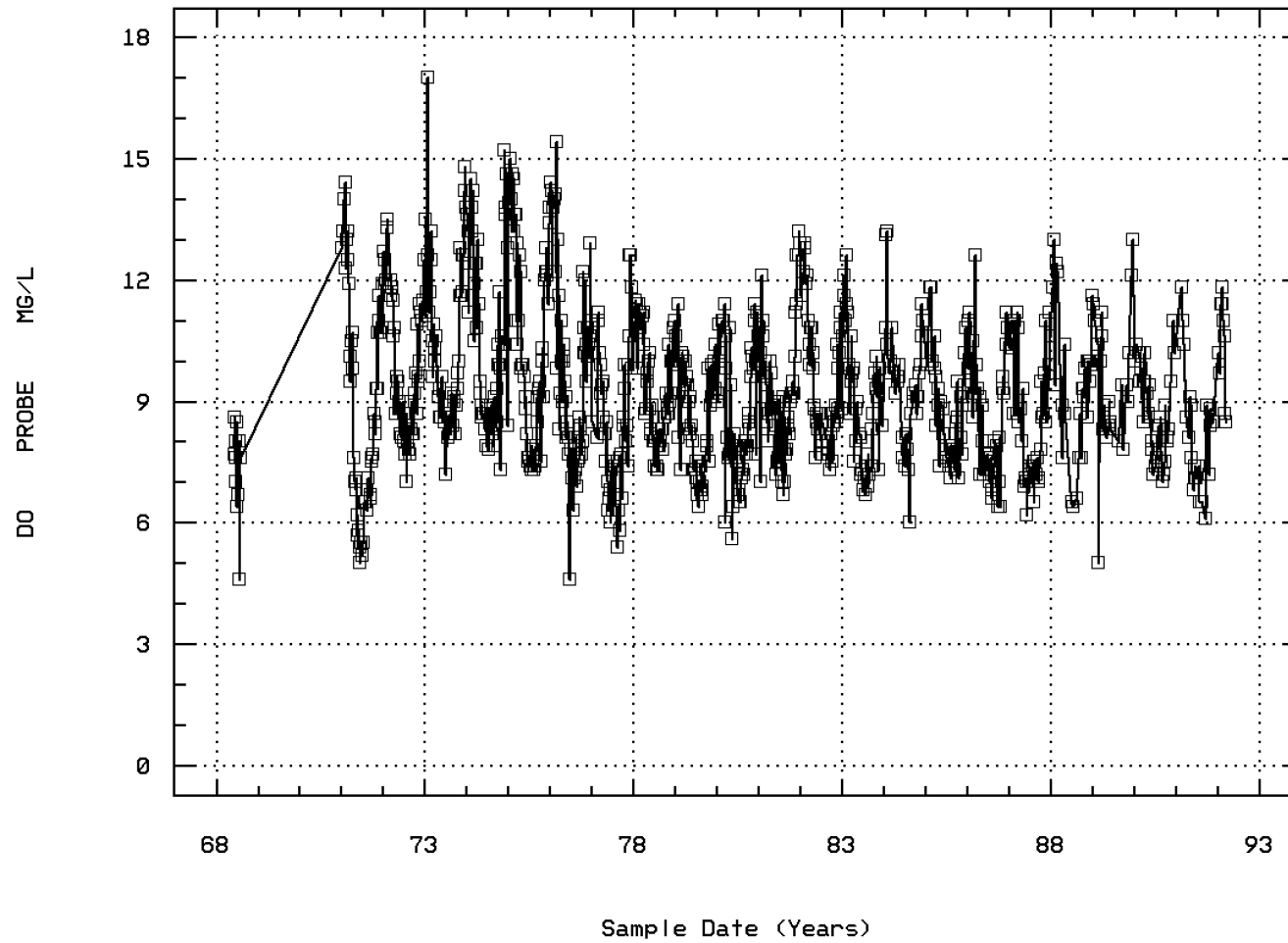
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00299

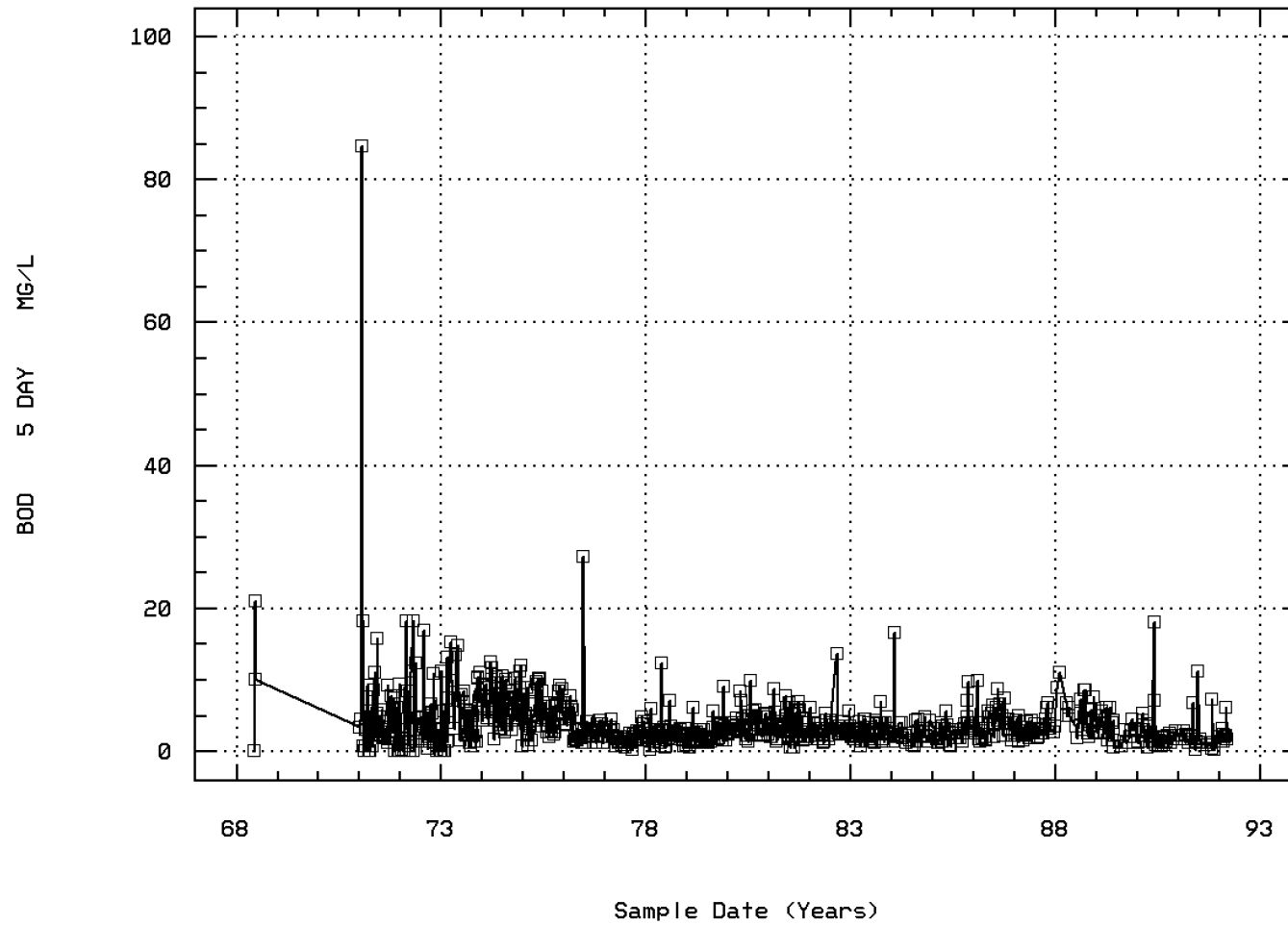
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00310

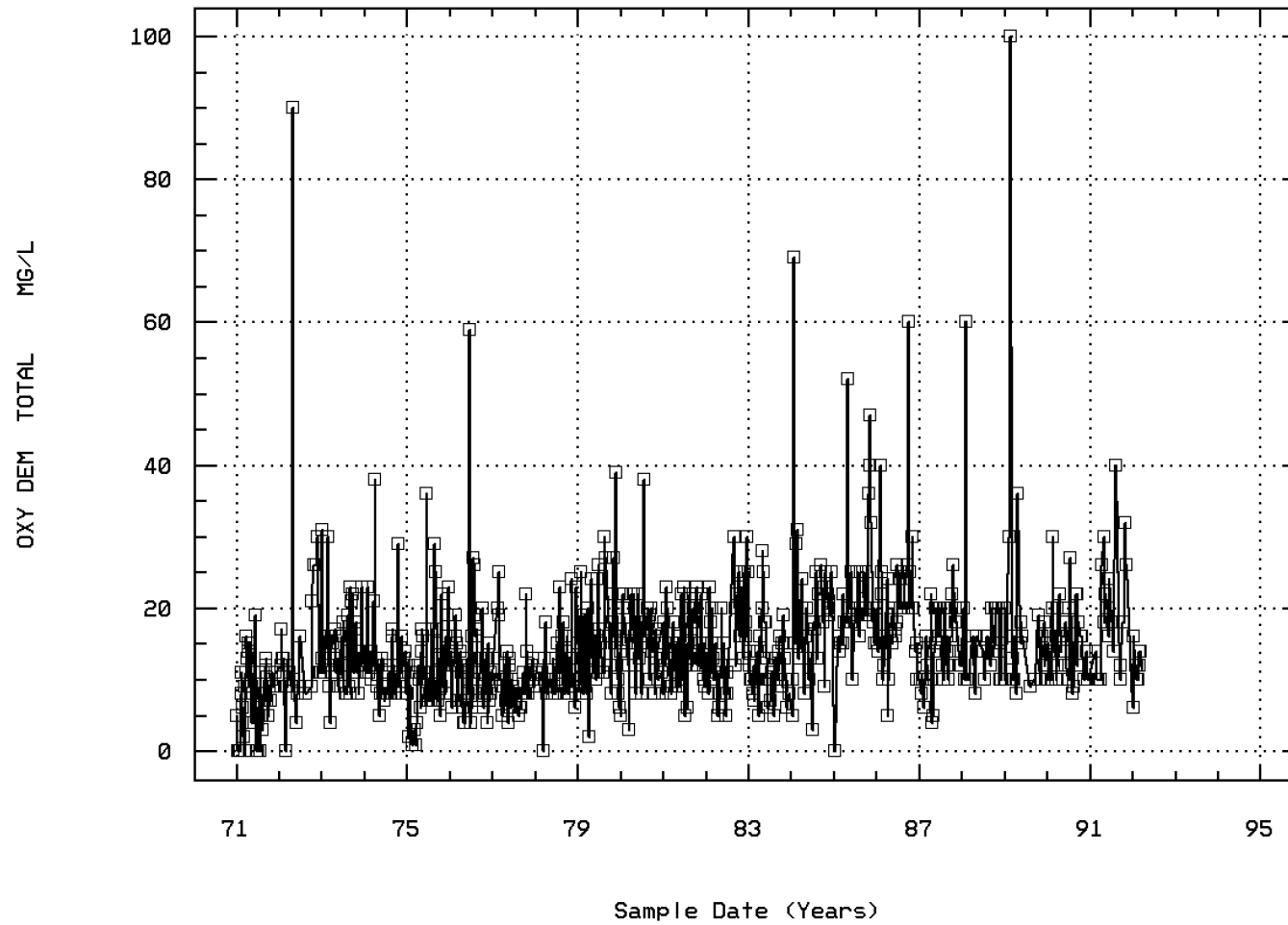
BOD, 5 DAY, 20 DEG C



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00343

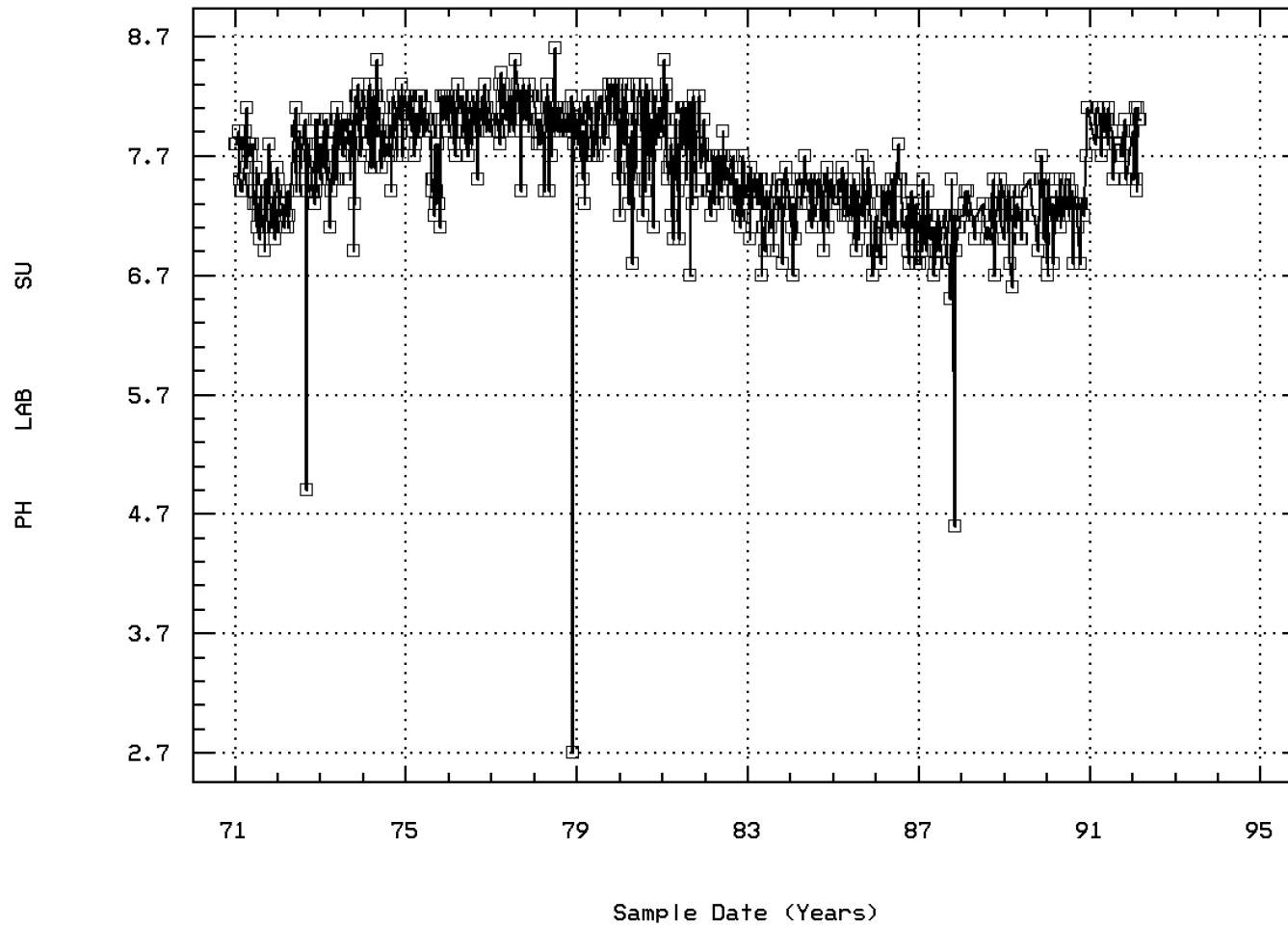
OXYGEN DEMAND, TOTAL



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00403

PH, LAB, STANDARD UNITS



DEER CREEK NR ANDERSONVILLE - S.R. 104

Annual Analysis for 1968 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	10	20.	20.3	24.	17.	5.122	2.263	17.1	18.75	22.25	23.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	10	412.5	400.	500.	300.	6194.444	78.705	301.	317.5	476.25	498.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	11	7.6	7.336	8.6	4.6	1.299	1.14	4.96	6.7	8.	8.58
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	3	10.	10.333	21.	0.	110.333	10.504	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	49	13.3	12.594	22.8	0.6	67.443	8.212	1.1	3.6	20.6	22.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	51	460.	462.353	610.	250.	7668.353	87.569	304.	410.	525.	579.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	50	8.35	8.868	14.4	5.	7.449	2.729	5.5	6.5	10.85	12.98
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	48	3.	5.894	84.6	0.	149.818	12.24	0.	1.8	5.975	9.56
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	46	8.	7.63	19.	0.	23.127	4.809	0.	4.75	11.	14.3
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	50	7.4	7.442	8.1	6.9	0.08	0.283	7.1	7.2	7.7	7.8
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	50	7.4	7.358	8.1	6.9	0.087	0.295	7.1	7.2	7.7	7.8
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	50	0.04	0.044	0.126	0.008	0.001	0.027	0.016	0.02	0.063	0.079

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station HOCU0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	50	13.6	12.863	26.7	0.	60.737	7.793	1.81	6.45	19.4	22.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	51	450.	445.098	600.	250.	6283.49	79.268	350.	390.	510.	550.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	48	9.35	9.823	13.5	7.	3.	1.732	7.98	8.225	11.475	12.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	39	2.5	4.257	18.2	0.	25.263	5.026	0.	1.1	5.3	12.3
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	25	11.	15.8	90.	0.	285.917	16.909	6.4	9.	16.5	27.6
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	43	7.4	7.467	8.1	4.9	0.238	0.488	7.2	7.3	7.8	7.96
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	43	7.4	6.485	8.1	4.9	1.227	1.108	7.2	7.3	7.8	7.96
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	43	0.04	0.328	12.589	0.008	3.665	1.915	0.011	0.016	0.05	0.063

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	48	12.5	12.967	25.6	0.3	63.78	7.986	2.04	5.725	20.975	23.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	48	405.	413.125	550.	260.	4570.878	67.608	320.	360.	460.	510.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	47	10.	10.513	17.	7.2	4.551	2.133	8.2	8.7	11.7	13.56
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	41	5.5	5.72	15.2	0.	18.153	4.261	0.7	2.2	8.05	12.72
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	42	13.	14.31	31.	4.	32.17	5.672	8.	11.	17.	22.7
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	48	7.8	7.794	8.3	6.9	0.084	0.291	7.49	7.6	8.	8.11
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	48	7.8	7.68	8.3	6.9	0.098	0.312	7.49	7.6	8.	8.11
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	48	0.016	0.021	0.126	0.005	0.	0.02	0.008	0.01	0.025	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	50	12.5	12.632	23.9	0.5	53.449	7.311	1.75	6.8	20.	22.15
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	52	432.5	444.712	700.	220.	7462.17	86.384	360.	390.	507.5	520.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	52	9.85	10.471	15.2	7.3	5.006	2.237	8.23	8.5	12.4	13.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	52	6.9	6.821	12.5	0.6	7.946	2.819	3.03	4.375	9.125	10.64
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	47	12.	12.277	38.	5.	33.335	5.774	8.	8.	13.	17.8
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	51	8.	7.99	8.5	7.4	0.053	0.229	7.7	7.8	8.2	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	51	8.	7.928	8.5	7.4	0.056	0.238	7.7	7.8	8.2	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	51	0.01	0.012	0.04	0.003	0.	0.007	0.006	0.006	0.016	0.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	51	13.3	12.241	25.	0.	62.626	7.914	1.92	4.4	19.4	22.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	52	450.	450.385	590.	290.	3521.418	59.342	363.	412.5	490.	520.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	52	9.9	10.46	15.	7.3	5.855	2.42	7.5	7.975	12.75	13.87
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	50	5.15	5.602	10.2	0.8	6.86	2.619	2.12	3.5	8.	9.38
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	52	10.	10.588	36.	0.8	56.084	7.489	1.	6.25	13.75	21.1
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	52	8.	7.917	8.2	7.1	0.081	0.285	7.4	7.825	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	52	8.	7.8	8.2	7.1	0.095	0.308	7.4	7.825	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	52	0.01	0.016	0.079	0.006	0.	0.016	0.006	0.008	0.015	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	60	11.05	11.36	24.5	0.	65.001	8.062	0.	3.575	18.9	22.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	53	470.	482.547	650.	320.	7334.253	85.64	360.	432.5	545.	610.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	60	9.5	9.73	15.4	4.6	5.35	2.313	7.32	7.825	10.95	13.72
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	56	2.95	3.514	27.2	1.	12.612	3.551	1.34	2.	4.175	5.7
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	49	11.	12.408	59.	4.	73.122	8.551	6.	7.	14.5	19.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	55	8.	8.018	8.3	7.5	0.025	0.158	7.8	7.9	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	55	8.	7.987	8.3	7.5	0.026	0.161	7.8	7.9	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	55	0.01	0.01	0.032	0.005	0.	0.005	0.006	0.008	0.013	0.016

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	44	14.75	13.459	26.1	0.	63.69	7.981	0.9	6.1	20.	24.15
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	44	467.5	471.023	600.	290.	5762.302	75.91	360.	425.	517.5	585.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	44	8.2	8.409	12.6	5.4	3.207	1.791	6.3	7.075	9.725	11.1
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	44	1.85	1.957	4.7	0.2	1.014	1.007	0.8	1.325	2.5	3.55
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	44	9.5	10.273	25.	4.	19.459	4.411	6.	8.	12.	16.5
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	44	8.2	8.114	8.5	7.4	0.033	0.182	7.9	8.	8.2	8.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	44	8.2	8.067	8.5	7.4	0.035	0.188	7.9	8.	8.2	8.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	44	0.006	0.009	0.04	0.003	0.	0.006	0.005	0.006	0.01	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	49	11.1	11.014	25.	0.	69.139	8.315	0.	2.5	19.4	21.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	49	480.	480.714	700.	260.	8116.667	90.093	360.	405.	550.	600.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	48	8.95	9.31	11.5	7.3	1.63	1.277	7.76	8.3	10.4	11.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	46	2.1	2.413	12.3	0.1	3.66	1.913	0.7	1.675	2.725	3.33
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	49	10.	11.265	24.	0.	20.282	4.504	8.	9.	13.	18.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	48	8.	7.865	8.6	2.7	0.616	0.785	7.79	7.9	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	48	8.	4.381	8.6	2.7	13.009	3.607	7.79	7.9	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	48	0.01	41.58	1995.262	0.003	82938.013	287.99	0.006	0.008	0.013	0.016

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	48	9.4	10.49	23.3	0.	62.615	7.913	0.	2.35	18.175	21.16
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	48	450.	445.625	830.	240.	11577.261	107.598	279.5	385.	490.	581.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	47	8.9	8.64	11.4	6.4	1.697	1.303	6.88	7.3	9.9	10.12
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	45	1.9	2.449	9.	0.5	2.237	1.496	1.26	1.5	3.05	3.84
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	45	15.	15.933	39.	2.	52.018	7.212	8.	10.	19.5	26.4
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	47	8.	7.955	8.3	7.3	0.055	0.235	7.66	7.8	8.1	8.22
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	47	8.	7.886	8.3	7.3	0.06	0.245	7.66	7.8	8.1	8.22
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	47	0.01	0.013	0.05	0.005	0.	0.009	0.006	0.008	0.016	0.022

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	51	11.1	11.165	22.8	-1.1	69.872	8.359	0.7	3.4	20.6	21.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	51	450.	434.706	570.	250.	4713.412	68.654	340.	390.	490.	508.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	51	8.2	8.7	11.4	5.6	2.606	1.614	6.54	7.6	10.2	11.
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	51	3.2	3.716	9.9	1.4	2.546	1.596	2.22	2.8	4.6	5.54
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	44	16.	15.568	38.	3.	32.856	5.732	8.	12.25	18.	22.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	52	7.9	7.869	8.3	6.8	0.119	0.346	7.33	7.7	8.175	8.27
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	52	7.9	7.699	8.3	6.8	0.149	0.386	7.33	7.7	8.175	8.27
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	52	0.013	0.02	0.158	0.005	0.001	0.025	0.005	0.007	0.02	0.047

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	54	12.5	12.415	24.5	-2.8	72.653	8.524	1.95	1.5	20.6	22.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	50	480.	484.6	700.	350.	6119.224	78.225	400.	410.	526.25	600.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	58	8.85	9.059	13.2	6.7	2.461	1.569	7.29	7.8	9.775	11.47
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	55	3.3	3.502	8.7	0.5	3.029	1.74	1.66	2.2	4.1	6.1
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	50	14.	14.44	23.	5.	23.313	4.828	9.	10.75	18.	22.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	56	7.8	7.791	8.5	6.7	0.134	0.365	7.27	7.6	8.1	8.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	56	7.8	7.605	8.5	6.7	0.169	0.411	7.27	7.6	8.1	8.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	56	0.016	0.025	0.2	0.003	0.001	0.033	0.006	0.008	0.025	0.054

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Annual Analysis for 1982 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	36	13.3	13.161	25.5	0.6	56.944	7.546	2.05	6.25	19.725	22.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	42	425.	431.548	600.	240.	7305.473	85.472	326.	360.	502.5	547.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	43	8.8	9.535	12.9	7.3	2.373	1.541	7.7	8.4	10.8	12.02
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	42	2.8	3.252	13.6	1.2	3.769	1.941	1.7	2.3	3.575	5.
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	42	15.	15.405	30.	5.	44.247	6.652	8.	10.75	20.5	25.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	43	7.4	7.47	7.9	7.1	0.032	0.179	7.2	7.4	7.6	7.7
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	43	7.4	7.435	7.9	7.1	0.033	0.183	7.2	7.4	7.6	7.7
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	43	0.04	0.037	0.079	0.013	0.	0.015	0.02	0.025	0.04	0.063

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Annual Analysis for 1983 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	43	12.2	13.019	26.7	-1.1	60.153	7.756	3.74	6.7	18.3	25.12
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	43	400.	394.07	675.	230.	8277.685	90.982	285.	325.	440.	515.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	42	8.9	8.957	12.6	6.7	2.457	1.567	7.13	7.4	9.825	11.34
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	40	2.65	2.79	6.9	0.6	1.598	1.264	1.3	1.75	3.85	4.48
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	42	12.	12.095	28.	5.	25.649	5.065	6.	8.75	14.	18.7
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	43	7.4	7.321	7.6	6.7	0.046	0.214	6.94	7.2	7.5	7.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	43	7.4	7.259	7.6	6.7	0.05	0.223	6.94	7.2	7.5	7.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	43	0.04	0.055	0.2	0.025	0.001	0.037	0.032	0.032	0.063	0.116

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Annual Analysis for 1984 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	31	10.6	10.852	22.2	-1.1	54.352	7.372	2.2	5.5	17.8	21.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	29	460.	456.552	700.	280.	8632.328	92.91	360.	395.	500.	600.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	32	9.55	9.497	13.2	6.	2.336	1.529	7.46	8.7	10.3	11.28
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	31	2.1	2.806	16.6	0.7	7.749	2.784	1.02	1.5	2.7	4.46
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	31	20.	19.71	69.	3.	131.146	11.452	8.2	13.	24.	28.4
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	32	7.4	7.325	7.7	6.7	0.048	0.218	7.03	7.2	7.5	7.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	32	7.4	7.264	7.7	6.7	0.052	0.227	7.03	7.2	7.5	7.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	32	0.04	0.054	0.2	0.02	0.001	0.036	0.032	0.032	0.063	0.094

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Annual Analysis for 1985 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	32	12.2	11.031	22.2	-2.2	53.907	7.342	3.3	8.2	17.65	20.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	35	525.	513.286	720.	310.	7388.151	85.954	400.	460.	550.	620.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	35	8.6	8.797	11.8	7.1	1.593	1.262	7.36	7.8	9.6	10.68
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	32	2.95	3.009	9.6	0.7	3.3	1.817	1.26	1.8	3.55	5.33
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	34	19.	21.824	52.	0.	98.453	9.922	14.5	17.5	25.	38.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	35	7.3	7.283	7.7	6.7	0.049	0.222	6.9	7.2	7.4	7.54
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	35	7.3	7.223	7.7	6.7	0.053	0.23	6.9	7.2	7.4	7.54
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	35	0.05	0.06	0.2	0.02	0.001	0.037	0.029	0.04	0.063	0.126

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Annual Analysis for 1986 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	35	12.2	11.423	24	-1.1	60.115	7.753	2	5	18	21
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	38	555.	557.5	850.	240.	25980.743	161.185	349.	417.5	667.5	782.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	37	8.6	8.659	12.6	6.4	2.472	1.572	6.76	7.3	9.7	11.04
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	37	3.9	3.946	9.9	1.3	4.326	2.08	1.58	2.15	5.15	6.76
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	38	20.	20.184	60.	5.	87.884	9.375	10.	15.	24.	26.4
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	37	7.3	7.23	7.8	6.8	0.06	0.246	6.88	7.1	7.4	7.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	37	7.3	7.162	7.8	6.8	0.065	0.255	6.88	7.1	7.4	7.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	37	0.05	0.069	0.158	0.016	0.002	0.04	0.032	0.04	0.079	0.132

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	12	14.5	13.875	26.	4.	47.733	6.909	4.	7.875	19.5	24.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	38	510.	505.132	620.	400.	2295.252	47.909	449.	460.	540.	571.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	38	8.5	8.624	11.2	6.2	2.392	1.547	6.99	7.275	10.	11.
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	38	2.85	3.076	6.8	1.3	1.3	1.14	1.8	2.375	3.625	4.45
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	38	14.	14.368	26.	4.	27.05	5.201	7.8	10.	20.	20.2
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	38	7.1	6.989	7.5	4.6	0.2	0.448	6.79	6.9	7.2	7.22
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	38	7.1	6.121	7.5	4.6	0.976	0.988	6.79	6.9	7.2	7.22
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	38	0.079	0.757	25.119	0.032	16.476	4.059	0.061	0.063	0.126	0.163

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station HOCU0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	3	11.	10.033	11.1	8.	3.103	1.762	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	27	490.	476.481	550.	350.	3293.875	57.392	398.	425.	525.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	27	9.3	9.315	13.	6.4	3.365	1.834	6.58	7.6	10.
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	23	4.9	5.226	11.	1.	6.465	2.543	1.84	3.5	7.2
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	27	15.	16.704	60.	8.	90.832	9.531	10.	10.	20.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	27	7.2	7.204	7.5	6.7	0.03	0.174	7.	7.1	7.3
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	27	7.2	7.167	7.5	6.7	0.032	0.178	7.	7.1	7.3
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	27	0.063	0.068	0.2	0.032	0.001	0.033	0.038	0.05	0.079

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	22	450.	452.727	600.	310.	4194.589	64.766	383.	403.75	502.5	540.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	22	9.2	9.455	13.	5.	3.038	1.743	7.86	8.3	10.7	11.89
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	22	2.95	3.091	6.	0.5	2.611	1.616	0.75	1.875	4.25	5.85
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	22	14.	18.727	100.	8.	376.017	19.391	9.3	10.	18.	34.2
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	22	7.2	7.214	7.7	6.6	0.068	0.261	6.83	7.	7.4	7.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	22	7.2	7.134	7.7	6.6	0.075	0.273	6.83	7.	7.4	7.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	22	0.063	0.074	0.251	0.02	0.003	0.052	0.032	0.04	0.1	0.149

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station HOCU0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	1	11.1	11.1	11.1	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	35	460.	452.571	550.	3503.487	59.19	380.	410.	500.	512.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	35	8.6	8.797	11.	1.243	1.115	7.32	7.8	9.8	10.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	34	1.85	2.585	18.	9.301	3.05	0.75	1.275	2.725	4.75
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	34	15.5	15.559	30.	26.436	5.142	10.	11.5	18.5	22.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	35	7.3	7.266	8.1	0.072	0.269	6.8	7.2	7.4	7.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	35	7.3	7.185	8.1	0.079	0.281	6.8	7.2	7.4	7.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	35	0.05	0.065	0.2	0.008	0.002	0.045	0.032	0.04	0.158

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station HOCU0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	22	8.25	8.3	11.8	2.377	1.542	6.5	7.1	8.95	10.82
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	21	1.6	2.371	11.1	0.25	7.23	0.28	1.05	2.2	7.1
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	22	18.	19.091	40.	63.134	7.946	10.	13.5	24.5	31.4
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	22	7.9	7.882	8.1	0.033	0.182	7.56	7.775	8.	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	22	7.9	7.843	8.1	0.035	0.186	7.56	7.775	8.	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	22	0.013	0.014	0.032	0.008	0.	0.007	0.008	0.01	0.028

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

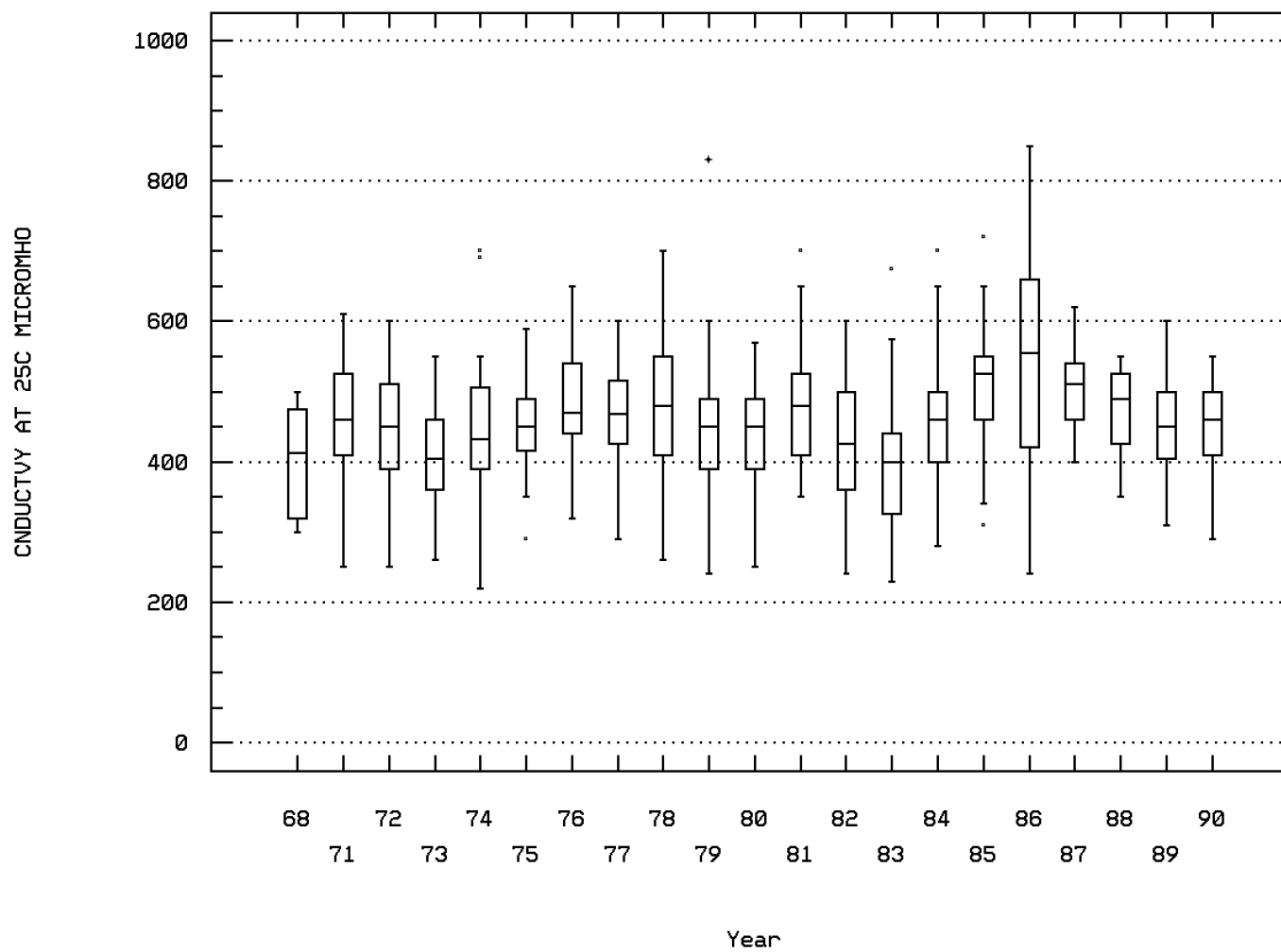
Annual Analysis for 1992 - Station HOCU0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	9	10.6	10.367	11.8	1.423	1.193	8.5	9.2	11.4	11.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	9	2.	2.456	6.	2.08	1.442	1.3	1.55	2.75	6.
00343p	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	9	12.	11.778	16.	8.444	2.906	6.	10.	14.	16.
00403p	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	9	8.	7.833	8.1	0.08	0.283	7.4	7.5	8.05	8.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	9	8.	7.746	8.1	0.089	0.298	7.4	7.5	8.05	8.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	9	0.01	0.018	0.04	0.008	0.013	0.008	0.009	0.032	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0040 Parameter Code: 00095

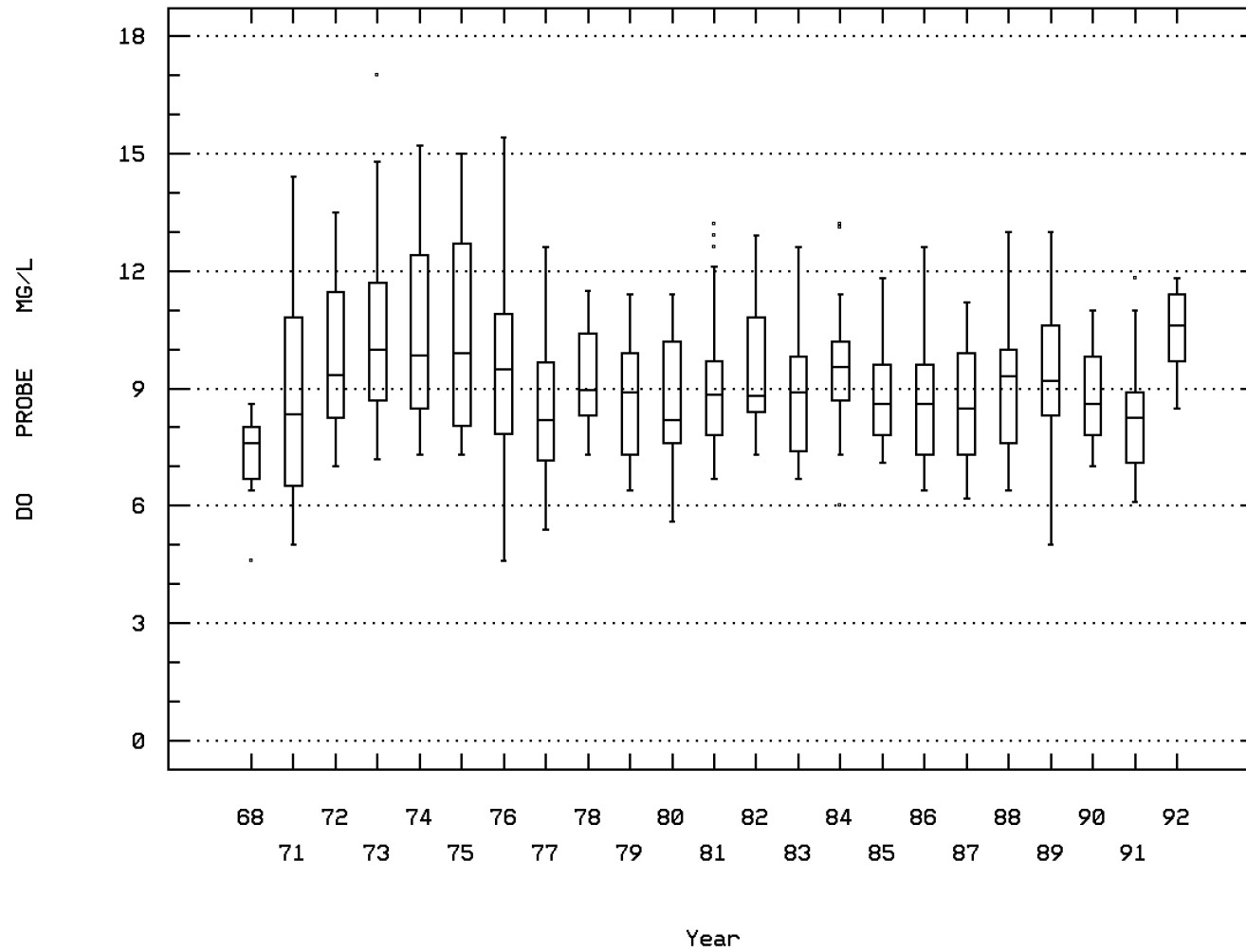
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00299

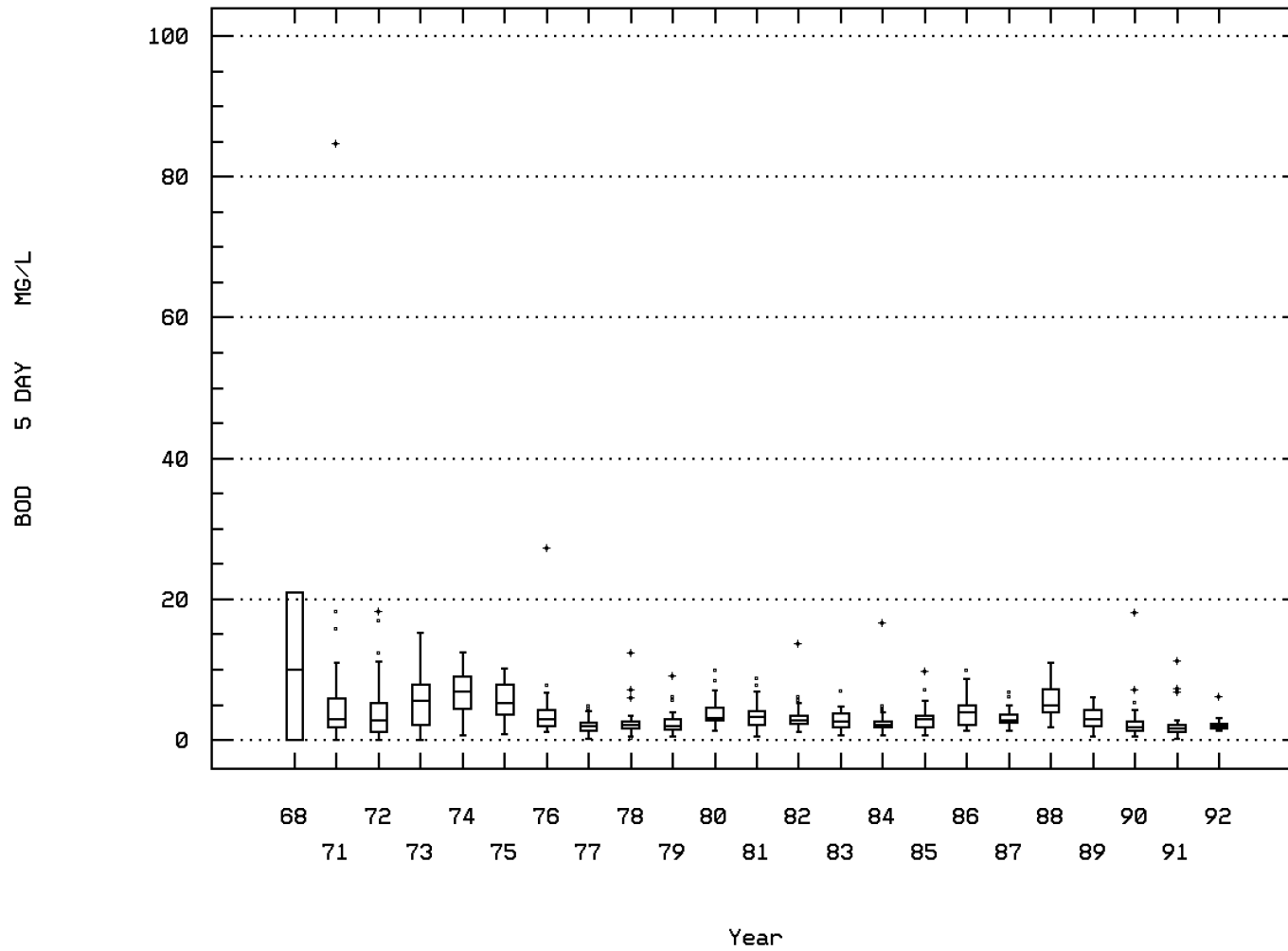
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00310

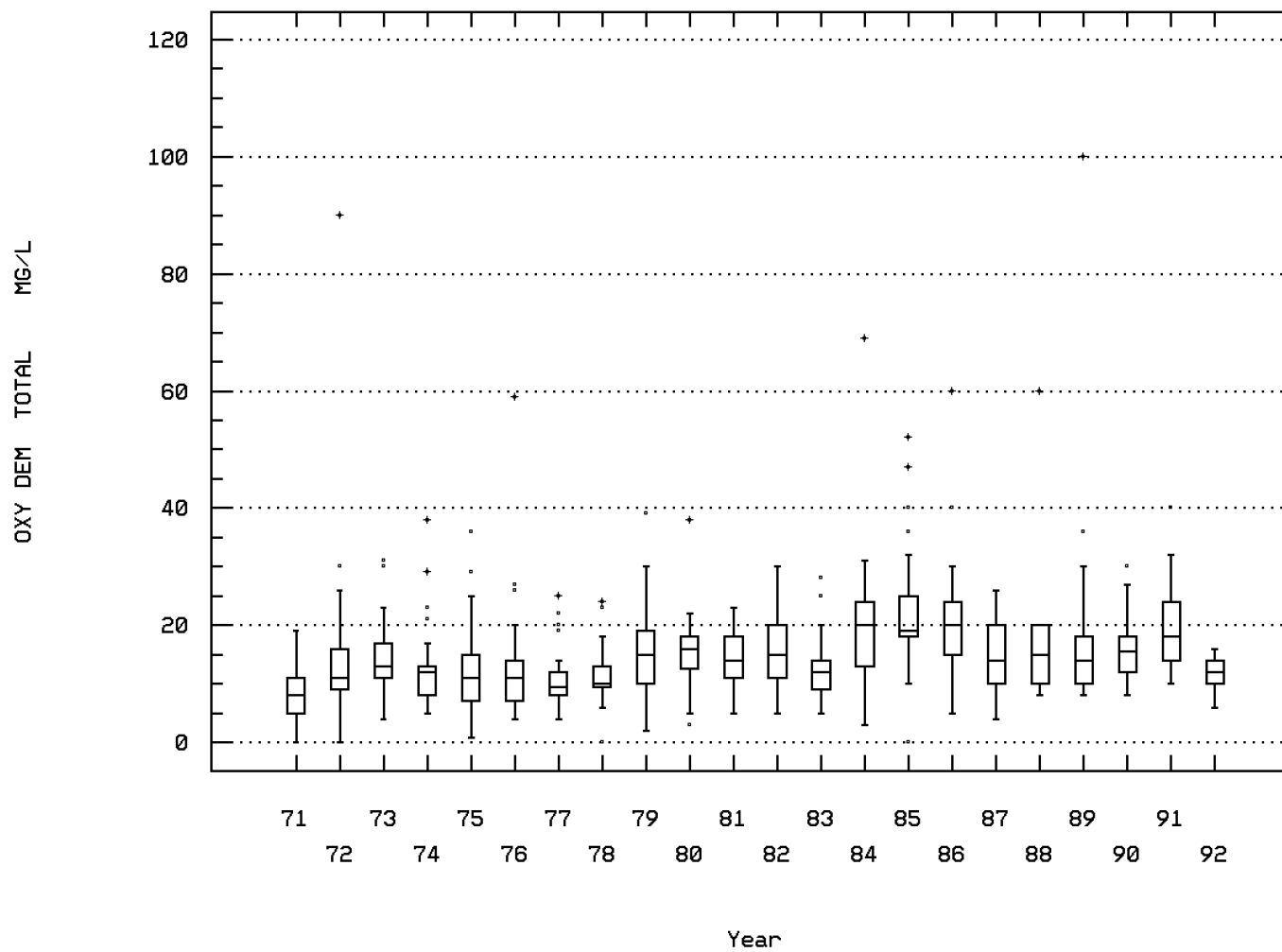
BOD, 5 DAY, 20 DEG C



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00343

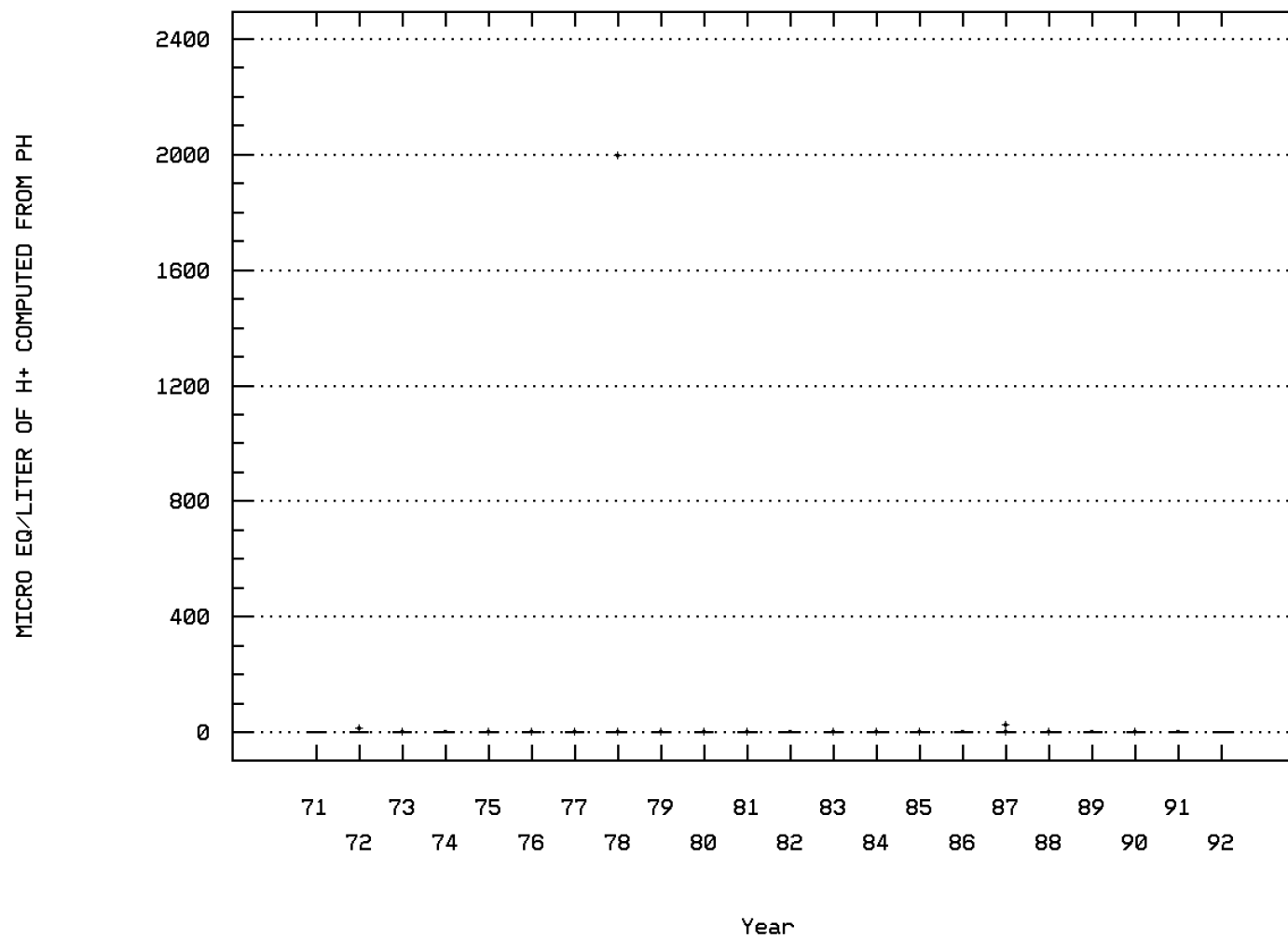
OXYGEN DEMAND, TOTAL



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00403

MICRO EQ/LITER OF H+ COMPUTED FROM PH



DEER CREEK NR ANDERSONVILLE - S.R. 104

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	129	15.6	15.629	25.6	3.3	21.093	4.593	9.4	12.2	20.	21.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	152	450.	454.605	800.	320.	5664.744	75.264	376.5	400.	500.	537.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	156	8.5	8.526	12.2	5.8	1.065	1.032	7.3	7.8	9.2	9.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	153	2.8	3.455	13.6	0.2	5.019	2.24	1.2	1.95	4.65	6.56
00343	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	143	16.	15.825	60.	5.	49.385	7.027	8.	10.	20.	23.6
00403	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	156	7.5	7.56	8.3	4.9	0.219	0.468	7.1	7.3	8.	8.13
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	156	7.5	6.914	8.3	4.9	0.639	0.799	7.1	7.3	8.	8.13
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	156	0.032	0.122	12.589	0.005	1.011	1.006	0.007	0.01	0.05	0.079
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/71-08/25/81	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	265	3.6	3.938	17.2	-2.8	14.687	3.832	0.	1.1	7.2	10.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	311	450.	439.341	830.	220.	8149.483	90.274	321.	380.	490.	550.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	326	10.85	10.981	17.	5.	2.931	1.712	8.97	9.9	12.1	13.23
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	309	3.	4.057	84.6	0.	29.007	5.386	1.3	2.1	4.7	7.7
00343	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	305	12.	14.255	100.	0.	91.801	9.581	7.	10.	16.	23.
00403	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	327	7.7	7.641	8.5	2.7	0.276	0.525	7.1	7.3	8.	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	327	7.7	5.207	8.5	2.7	6.22	2.494	7.1	7.3	8.	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	327	0.02	6.213	1995.262	0.003	12175.097	110.341	0.006	0.01	0.05	0.079
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/71-08/25/81	8	0.	0.028	0.12	0.	0.002	0.044	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

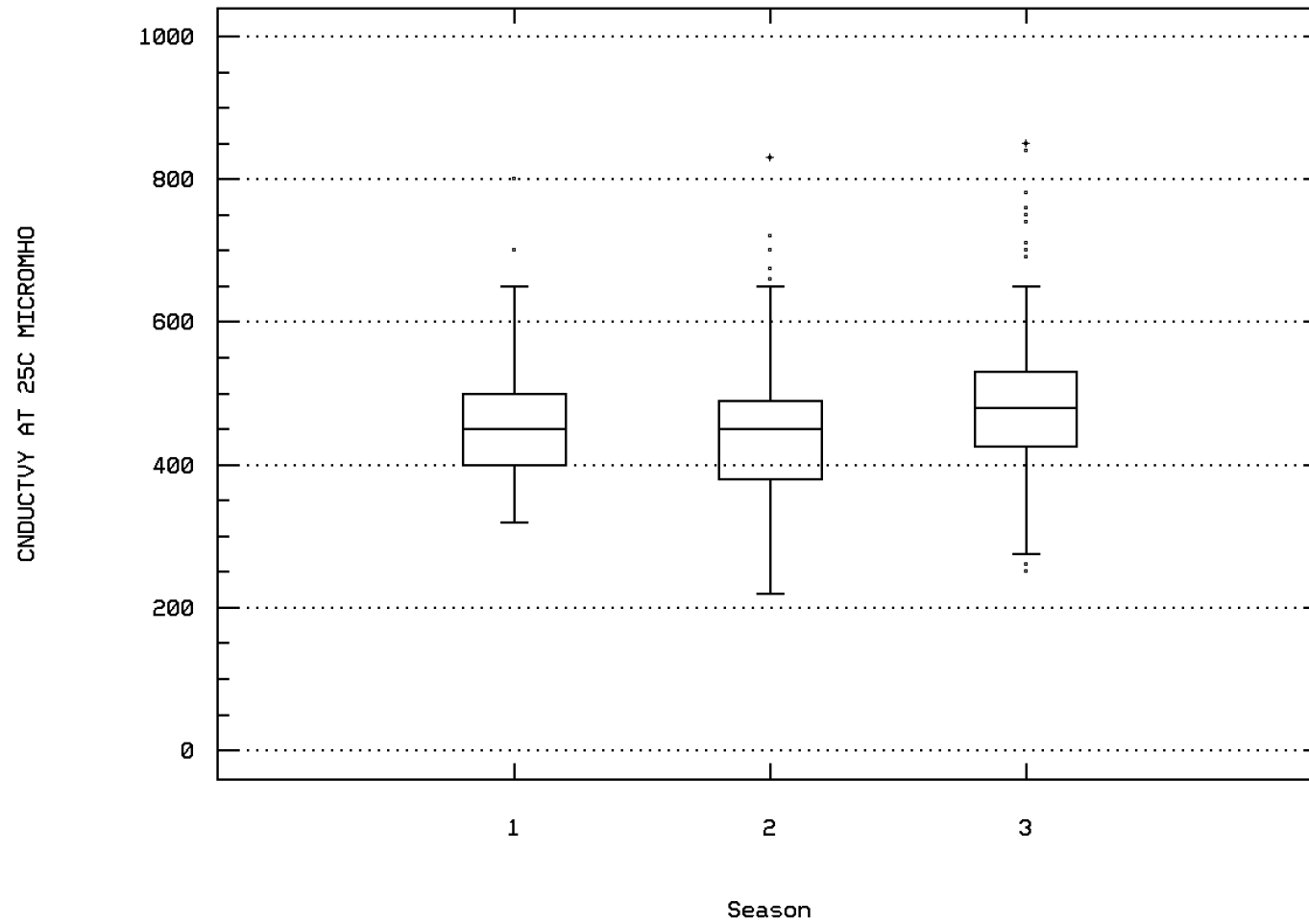
Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/68-08/03/90	363	18.9	16.995	26.7	1.7	34.222	5.85	7.4	12.8	21.1	23.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/68-12/13/90	405	480.	478.728	850.	250.	8690.149	93.221	350.	425.	530.	600.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/68-03/10/92	428	8.1	8.256	13.	4.6	1.82	1.349	6.7	7.4	9.	10.
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/11/68-03/10/92	397	2.8	3.767	27.2	0.	11.166	3.342	1.1	1.7	4.55	7.86
00343	OXYGEN DEMAND, TOTAL MG/L	01/05/71-03/10/92	384	12.	13.903	90.	0.	66.425	8.15	6.	9.	18.	22.
00403	PH, LAB, STANDARD UNITS SU	01/05/71-03/10/92	406	7.7	7.668	8.6	6.7	0.158	0.397	7.1	7.3	8.	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	01/05/71-03/10/92	406	7.7	7.486	8.6	6.7	0.191	0.437	7.1	7.3	8.	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/05/71-03/10/92	406	0.02	0.033	0.2	0.003	0.001	0.033	0.008	0.01	0.05	0.079
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/71-08/25/81	14	0.015	0.045	0.35	0.	0.009	0.092	0.	0.	0.05	0.225

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0040 Parameter Code: 00095

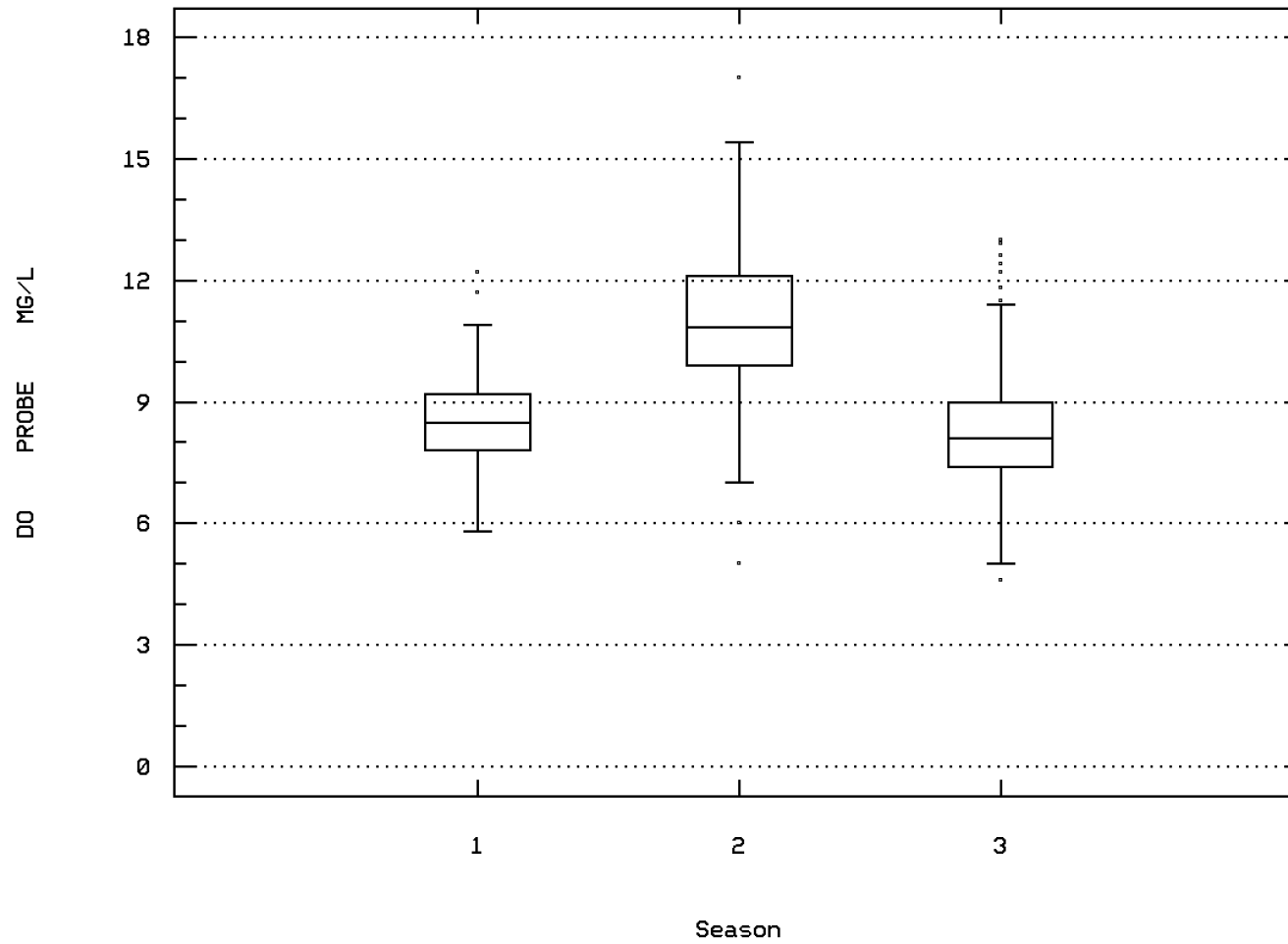
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00299

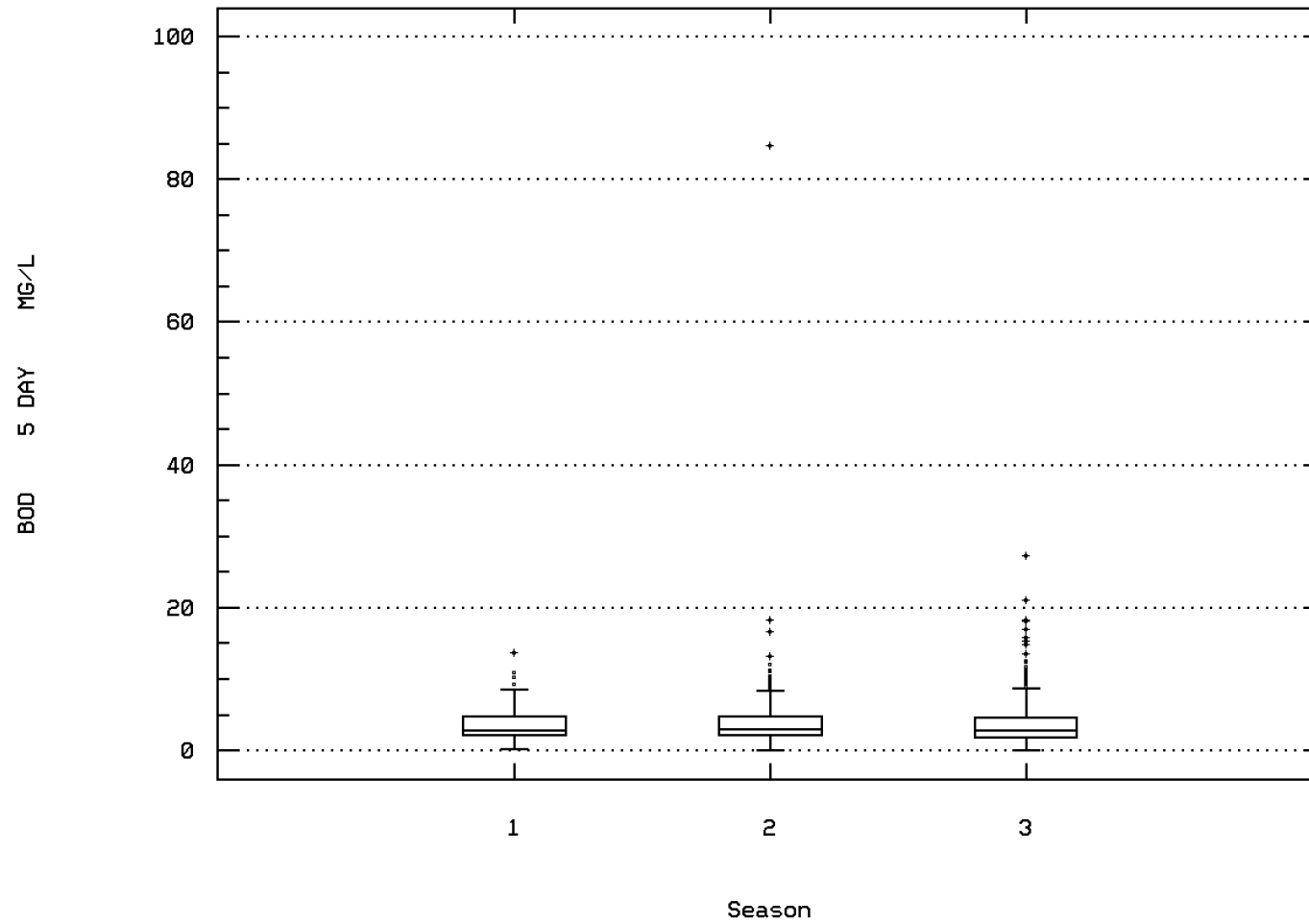
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station: HOCU0040 Parameter Code: 00310

BOD, 5 DAY, 20 DEG C



DEER CREEK NR ANDERSONVILLE - S.R. 104

Station Inventory for Station: HOCU0041

NPS Station ID: HOCU0041 LAT/LON: 39.314727/ -83.020281

Location: PAINT CREEK DST N. FORK/DST PLEASANT VALLEY WWTP

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190 1110

RMI-Miles: 0953.80 0624.93 063.50 007.80

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003

RF3 Index: 05060003000100.00

Description:

PURPOSE - INTENSIVE SURVEY OF THE LOWER PAINT CREEK BASIN.

FROM THE NORTH FORK; DOWNSTREAM FROM THE PLEASANT VALLEY WWTP.

SOUTHEAST DISTRICT OFFICE, (614) 385-8501.

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V10S42

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 1.40

Distance from RF3: 0.02

Date Created: 12/05/92

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: HOCU0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/92-09/25/97	9	21.5	20.4	24.1	14.8	11.12	3.335	14.8	17.3	22.85	24.1
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/92-09/25/97	9	505.	509.222	610.	327.	8523.694	92.324	327.	455.	587.5	610.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	5	589.	553.2	649.	334.	15806.7	125.725	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/92-09/25/97	9	8.9	9.522	12.8	7.9	3.114	1.765	7.9	8.3	10.9	12.8
00310 BOD, 5 DAY, 20 DEG C MG/L	07/09/92-09/25/97	9 ##	1.	1.2	2.2	0.5	0.348	0.589	0.5	0.75	1.7	2.2
00340 COD, .25N K2CR2O7 MG/L	07/09/92-09/25/97	9 ##	5.	11.556	32.	5.	86.028	9.275	5.	5.	16.5	32.
00400 PH (STANDARD UNITS)	07/09/92-09/25/97	9	7.99	7.843	8.37	6.79	0.208	0.456	6.79	7.665	8.12	8.37
00400 CONVERTED PH (STANDARD UNITS)	07/09/92-09/25/97	9	7.99	7.541	8.37	6.79	0.311	0.558	6.79	7.665	8.12	8.37
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/25/97	9	0.01	0.029	0.162	0.004	0.003	0.05	0.004	0.008	0.022	0.162
00403 PH, LAB, STANDARD UNITS SU	07/09/92-09/24/92	4	7.95	7.975	8.1	7.9	0.009	0.096	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	07/09/92-09/24/92	4	7.947	7.967	8.1	7.9	0.009	0.096	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/24/92	4	0.011	0.011	0.013	0.008	0.	0.002	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	5	209.	198.8	229.	122.	1934.7	43.985	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/25/97	9	10.	34.556	156.	2.5	2929.965	54.129	2.5	5.25	56.	156.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/92-09/25/97	9 ##	0.025	0.037	0.11	0.025	0.001	0.029	0.025	0.025	0.038	0.11
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/92-09/25/97	9	0.22	0.38	1.	0.1	0.101	0.318	0.1	0.15	0.6	1.
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	07/09/92-09/25/97	9	1.36	2.008	5.62	0.88	2.359	1.536	0.88	1.1	2.7	5.62
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/09/92-09/25/97	9	0.1	0.197	0.46	0.025	0.036	0.19	0.025	0.025	0.415	0.46
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	5	2.5	3.02	7.	1.	5.352	2.313	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/09/92-09/25/97	9	290.	291.	350.	188.	1903.25	43.626	188.	287.	313.	350.
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/09/92-09/25/97	9	66.	65.778	79.	44.	88.194	9.391	44.	65.	71.	79.
00927 MAGNESIUM, TOTAL (MG/L AS Mg)	07/09/92-09/25/97	9	31.	30.778	37.	19.	24.444	4.944	19.	30.	33.5	37.
00929 SODIUM, TOTAL (MG/L AS Na)	07/09/92-09/25/97	9	10.	9.278	12.	2.5	7.569	2.751	2.5	9.	11.	12.
00937 POTASSIUM, TOTAL MG/L AS K)	08/05/97-09/25/97	4	3.	3.	4.	2.	0.667	0.816	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/25/97	9	17.	16.444	24.	5.	26.028	5.102	5.	15.	19.	24.
00945 SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/25/97	9	54.	54.111	68.	28.	137.861	11.741	28.	49.	62.	68.
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	4	0.27	0.278	0.4	0.17	0.012	0.11	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/09/92-09/25/97	9 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01027 CADMIUM, TOTAL (UG/L AS CD)	07/09/92-09/25/97	9 ##	0.1	0.122	0.3	0.1	0.004	0.067	0.1	0.1	0.1	0.3
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/09/92-09/25/97	9 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
01042	COPPER, TOTAL (UG/L AS CU)	07/09/92-09/25/97	9 ##	5.	3.333	6.	1.	5.	2.236	1.	1.	5.	6.
01045	IRON, TOTAL (UG/L AS FE)	07/09/92-09/25/97	9	370.	1061.667	4450.	118.	2491504.25	1578.45	118.	149.5	1785.5	4450.
01051	LEAD, TOTAL (UG/L AS PB)	07/09/92-09/25/97	9 ##	1.	2.556	11.	1.	11.028	3.321	1.	1.	3.	11.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	5	15.	34.	110.	14.	1806.5	42.503	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/92-09/25/97	9 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/92-09/25/97	9 ##	5.	21.	72.	5.	523.25	22.875	5.	5.	32.5	72.
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	5 ##	360.	830.	2590.	100.	1103300.	1050.381	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/05/97-09/25/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/27/97	4	235.	267.5	540.	60.	51958.333	227.944	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/92-08/27/97	4	2.284	2.27	2.732	1.778	0.206	0.454	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			186.074								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/92-09/25/97	9	348.	345.333	398.	232.	2158.	46.454	232.	340.	369.	398.
71900	MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0041

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00			6	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00	3	0	0.00			6	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	3	0	0.00			6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00			3	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00			3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00								
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	3	0	0.00			6	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	250.	9	0	0.00	3	0	0.00			6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	3	0	0.00			6	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00			2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	50.	9	0	0.00	3	0	0.00			6	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	5.	9	0	0.00	3	0	0.00			6	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	3	0	0.00			6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	1300.	9	0	0.00	3	0	0.00			6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	15.	9	0	0.00	3	0	0.00			6	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	100.	9	0	0.00	3	0	0.00			6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00			6	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00			2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	2	0.50						4	2	0.50			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00			3	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00			3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0042

NPS Station ID: HOCU0042 LAT/LON: 39.313059/ -83.027226

Location: PAINT CREEK JUST UPST CONFL NORTH FORK

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1110

RMI-Miles: 0953.80 0624.93 063.50 008.20

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003001

RF3 Index: 05060002008300.21

Description:

PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS

RMI=624.93/63.50/8.20

WATER USE DESIGNATION AS OF 5/30/80-EWH

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 7.470

RF3 Mile Point: 0.30

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V10P05

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.04

Date Created: 08/09/80

On/Off RF1: ON

On/Off RF3:

Parameter Inventory for Station: HOCU0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/15/79-10/23/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-09/25/97	12	20.85	19.35	24.2	10.5	19.461	4.411	11.88	15.275	23.125	24.08
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/15/79-09/25/97	12	489.5	490.25	560.	400.	2933.841	54.165	406.	449.75	548.25	557.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/10/79-09/25/97	7	542.	569.857	714.	421.	10404.476	102.002	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/79-09/25/97	12	8.45	8.725	11.5	6.9	1.971	1.404	6.96	7.75	9.825	11.23
00310	BOD, 5 DAY, 20 DEG C MG/L	10/10/79-09/25/97	11	1.1	1.555	3.9	0.5	0.863	0.929	0.6	1.	2.	3.54
00340	COD, .25N K2CR2O7 MG/L	07/09/92-09/25/97	9 ##	5.	10.778	22.	5.	49.694	7.049	5.	5.	17.	22.
00400	PH (STANDARD UNITS)	07/09/92-09/25/97	9	7.66	7.797	8.42	7.31	0.144	0.38	7.31	7.48	8.155	8.42
00400	CONVERTED PH (STANDARD UNITS)	07/09/92-09/25/97	9	7.66	7.669	8.42	7.31	0.162	0.403	7.31	7.48	8.155	8.42
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/92-09/25/97	9	0.022	0.021	0.049	0.004	0.	0.016	0.004	0.007	0.034	0.049
00403	PH, LAB, STANDARD UNITS SU	10/10/79-09/24/92	6	7.75	7.767	7.9	7.6	0.015	0.121	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/10/79-09/24/92	6	7.747	7.753	7.9	7.6	0.015	0.122	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/79-09/24/92	6	0.018	0.018	0.025	0.013	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	5	199.	193.8	219.	149.	733.7	27.087	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/92-09/25/97	9	20.	36.167	113.	2.5	1740.125	41.715	2.5	11.5	66.5	113.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/79-09/25/97	12 ##	0.025	0.073	0.47	0.	0.017	0.131	0.006	0.025	0.045	0.377
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/79-09/25/97	12	0.4	0.483	1.	0.1	0.062	0.248	0.16	0.3	0.6	0.94
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/79-09/25/97	12	1.995	2.298	5.57	0.88	1.569	1.253	0.961	1.548	2.928	4.898
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/15/79-09/25/97	12	0.085	0.102	0.32	0.025	0.009	0.093	0.025	0.025	0.145	0.293
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	5	2.9	2.76	4.2	1.	1.333	1.155	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/09/92-09/25/97	9	271.	269.111	307.	206.	883.611	29.726	206.	256.5	294.5	307.
00916	CALCIUM, TOTAL (MG/L AS Ca)	10/23/79-09/25/97	10	62.5	64.5	89.	43.	135.167	11.626	44.6	60.5	70.5	87.3
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/23/79-09/25/97	10	27.5	28.9	38.	24.	16.989	4.122	24.1	26.5	32.	37.4
00929	SODIUM, TOTAL (MG/L AS Na)	07/09/92-09/25/97	9	8.	8.	10.	6.	2.5	1.581	6.	6.5	9.5	10.
00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-07/23/97	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/09/92-09/25/97	9	14.	15.556	24.	12.	13.528	3.678	12.	13.	17.	24.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/92-09/25/97	9	43.	41.444	52.	31.	47.778	6.912	31.	35.	45.5	52.
00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	4	0.2	0.208	0.27	0.16	0.002	0.046	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/92-08/05/97	6 ##	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/79-09/25/97	12 ##	0.1	1.233	6.	0.1	4.484	2.118	0.1	0.1	2.	5.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0042

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/79-09/25/97	12 ##	15.	16.25	30.	15.	18.75	4.33	15.	15.	25.5
01042	COPPER, TOTAL (UG/L AS CU)	08/15/79-09/25/97	12 ##	5.	6.167	15.	1.	30.879	5.557	1.	1.5	15.
01045	IRON, TOTAL (UG/L AS FE)	08/15/79-09/25/97	12	570.5	1013.5	3640.	162.	1087959.909	1043.053	163.2	285.75	3124.
01051	LEAD, TOTAL (UG/L AS PB)	08/15/79-09/25/97	12 ##	1.	11.417	80.	1.	602.583	24.548	1.	2.875	68.6
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	5	36.	74.4	245.	13.	9238.3	96.116	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/79-09/25/97	12 ##	20.	31.667	100.	20.	596.97	24.433	20.	20.	85.
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/79-09/25/97	12 ##	13.5	22.667	88.	5.	632.424	25.148	5.	5.	76.6
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	5	269.	373.6	1130.	100.	185934.3	431.201	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	5 ##	1.	1.	1.	1.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	110.	157.5	360.	50.	19291.667	138.894	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/09/92-08/27/97	4	2.034	2.081	2.556	1.699	0.13	0.36	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/27/97-08/27/97	1	60.	60.	60.	60.	0.	0.	**	**	**
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	08/27/97-08/27/97	1	1.778	1.778	1.778	1.778	0.	0.	**	**	**
31679	LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	08/27/97-08/27/97	1	60.	60.	60.	60.	0.	0.	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/09/92-09/25/97	9	312.	313.778	352.	250.	893.444	29.891	250.	301.	352.
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/79-09/25/97	7 ##	0.1	0.179	0.5	0.1	0.023	0.152	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0042

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	5	0	0.00			7	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00	3	0	0.00			6	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	3	0	0.00			6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	3	0	0.00			3	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00			3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00								
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	5	0	0.00			7	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	3	0	0.00			6	0	0.00			
		Drinking Water	250.	9	0	0.00	3	0	0.00			6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	3	0	0.00			6	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00			2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	1	0	0.00			5	0	0.00			
		Drinking Water	50.	6	0	0.00	1	0	0.00			5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12	2	0.17	5	1	0.20			7	1	0.14			
		Drinking Water	5.	12	2	0.17	5	1	0.20			7	1	0.14			
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	5	0	0.00			7	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	12	0	0.00	5	0	0.00			7	0	0.00			
		Drinking Water	1300.	12	0	0.00	5	0	0.00			7	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	12	0	0.00	5	0	0.00			7	0	0.00			
		Drinking Water	15.	12	2	0.17	5	1	0.20			7	1	0.14			
01067	NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	5	0	0.00			7	0	0.00			
		Drinking Water	100.	12	1	0.08	5	0	0.00			7	1	0.14			
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	5	0	0.00			7	0	0.00			
		Drinking Water	5000.	12	0	0.00	5	0	0.00			7	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00			3	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00			3	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	1	0.25						4	1	0.25			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	3	0	0.00			4	0	0.00			
		Drinking Water	2.	7	0	0.00	3	0	0.00			4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0043

NPS Station ID: HOCU0043 LAT/LON: 39.307781/ -83.117503

Location: PAINT CREEK NE OF BOURNEVILLE - BLAIN HIGHWAY

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190 1110

RMI-Miles: 0953.80 0624.93 063.50 016.30

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003

RF3 Index: 05060002092000.00

Description:

PURPOSE - INTENSIVE SURVEY OF THE PAINT CREEK BASIN.

2.8 MILES NORTHEAST OF BOURNEVILLE.

OFFICE. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.11

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V10W13

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 6.30

Distance from RF3: 0.10

Date Created: 05/18/98

On/Off RF1:

On/Off RF3:

LOCATION - ROSS CO.; LOCATED AT THE BLAIN HIGHWAY BRIDGE (SHOTTS BRIDGE)
COLLECTION - SAMPLES COLLECTED BY THE OHIO EPA SOUTHEAST DISTRICT
U.S.G.S. QUADRANGLE - CHILLICOTHE WEST, OHIO

Parameter Inventory for Station: HOCU0043

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/97-09/25/97	4	21.35	20.325	23.9	14.7	15.549	3.943	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/05/97-09/25/97	4	471.5	474.25	547.	407.	4424.917	66.52	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/97-09/25/97	4	517.5	505.5	565.	422.	3600.333	60.003	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/05/97-09/25/97	4	7.6	8.9	13.3	7.1	8.767	2.961	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/05/97-09/25/97	4 ##	1.	1.75	4.	1.	2.25	1.5	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	08/05/97-09/25/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	08/05/97-09/25/97	4	7.46	7.488	7.74	7.29	0.044	0.211	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	08/05/97-09/25/97	4	7.444	7.451	7.74	7.29	0.046	0.215	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/97-09/25/97	4	0.036	0.035	0.051	0.018	0.	0.016	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	08/05/97-09/25/97	4	198.	191.5	223.	147.	1019.667	31.932	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/05/97-09/25/97	4	10.	25.875	81.	2.5	1365.729	36.956	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/97-09/25/97	4 ##	0.025	0.134	0.46	0.025	0.047	0.218	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/05/97-09/25/97	4 ##	0.2	0.425	1.2	0.1	0.276	0.525	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/97-09/25/97	4	1.85	1.663	2.03	0.92	0.269	0.519	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/05/97-09/25/97	4	0.13	0.145	0.268	0.05	0.008	0.091	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/25/97	4	3.	2.775	4.1	1.	1.696	1.302	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	08/05/97-09/25/97	4	263.5	253.	288.	197.	1535.333	39.183	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	08/05/97-09/25/97	4	63.5	59.25	69.	41.	154.917	12.447	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	08/05/97-09/25/97	4	25.5	25.5	28.	23.	4.333	2.082	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	08/05/97-09/25/97	4	6.5	6.5	7.	6.	0.333	0.577	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	08/05/97-09/25/97	4	2.5	2.5	3.	2.	0.333	0.577	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/05/97-09/25/97	4	13.	12.75	14.	11.	2.25	1.5	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	08/05/97-09/25/97	4	33.5	33.75	37.	31.	10.25	3.202	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	4	0.2	0.19	0.26	0.1	0.004	0.066	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	08/05/97-09/25/97	4 ##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/05/97-09/25/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	08/05/97-09/25/97	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	08/05/97-09/25/97	4 ##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	08/05/97-09/25/97	4	523.5	659.5	1460.	131.	339568.333	582.725	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	08/05/97-09/25/97	4 ##	1.	43.25	170.	1.	7140.25	84.5	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0043

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/97-09/25/97	4	35.5	86.5	241.	34.	10611.	103.01	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/05/97-09/25/97	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/05/97-09/25/97	4 ##	8.5	9.25	15.	5.	25.583	5.058	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/97-09/25/97	4	235.5	364.75	888.	100.	125992.917	354.955	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/05/97-09/25/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	100.	100.	110.	90.	200.	14.142	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	1.998	1.998	2.041	1.954	0.004	0.062	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			99.499								
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/05/97-09/25/97	4	306.	299.	324.	260.	844.	29.052	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/05/97-09/25/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0043

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	2	0	0.00			2	0	0.00			
00400	PH	Fresh Chronic	9.	4	0	0.00	2	0	0.00			2	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00			2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00								
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00			2	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	250.	4	0	0.00	2	0	0.00			2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00			2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00			2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00			2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	5.	4	0	0.00	2	0	0.00			2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00			2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	1300.	4	0	0.00	2	0	0.00			2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	1	0.25	2	1	0.50			2	0	0.00			
		Drinking Water	15.	4	1	0.25	2	1	0.50			2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	100.	4	0	0.00	2	0	0.00			2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	5000.	4	0	0.00	2	0	0.00			2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00			2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00						2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	2	0	0.00			2	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00			2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0044

NPS Station ID: HOCU0044

Location: N. FK. PAINT CR DST FRANKFORT- MUSSELMAN HILL RD

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1110 0080

RMI-Miles: 0953.80 0624.93 063.50 008.12 010.50

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003002

RF3 Index: 05060003000102.41

Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE IMPACT OF THE FRANKFORT WWTP ON THE NORTH FORK OF PAINT CREEK.
LOCATION - ROSS CO.; LOCATED AT THE FIRST BRIDGE DOWNSTREAM FROM THE FRANKFORT WWTP (MUSSELMAN HILL RD.).
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, SOUTHEAST DISTRICT OFFICE, (614) 385-8501. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.

LAT/LON: 39.366948/ -83.141948

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 8.830

RF3 Mile Point: 6.31

REMARKS - U.S.G.S. QUADRANGLE: BOURNEVILLE, OHIO

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V10S18

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.10

Distance from RF3: 0.01

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/85-09/05/85	1	25.	25.	25.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/05/85-09/05/85	1	6.7	6.7	6.7	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/05/85-09/05/85	1	3.4	3.4	3.4	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/05/85-06/05/86	2 ##	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/85-09/05/85	1	0.5	0.5	0.5	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/85-09/05/85	1	1.35	1.35	1.35	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/05/85-06/05/86	2	0.51	0.51	0.66	0.045	0.212	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0044

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00								
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0045

NPS Station ID: HOCU0045 LAT/LON: 39.263615/ -83.166948

Location: PAINT CREEK NR BOURNEVILLE - JONES LEVEE RD.

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1110

RMI-Miles: 0953.80 0624.93 063.50 021.60

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003021

RF3 Index: 05060003002401.59

Description:

PURPOSE - PRIMARY STATION TO MONITOR UPSTREAM OF MAJOR DISCHARGER. LOCATION - ROSS CO.; AT HIGHWAY BRIDGE 1.2 MI. SW OF BOURNEVILLE; 1.2

UPSTREAM FROM UPPER TWIN CREEK. COLLECTION - OHIO EPA - CENTRAL DISTRICT - 614-466-6450

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): 601320 /P1810

Within Park Boundary: No

Date Created: 05/06/76

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 1.280

RF3 Mile Point: 3.98

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.03

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	70	14.75	14.221	26.5	0.	73.528	8.575	1.53	6.	22.05	25.
00061 FLOW, STREAM, INSTANTANEOUS CFS	01/29/76-10/20/81	63	529.	960.921	7737.	32.	1931407.01	1389.751	96.	144.	926.	2595.6
00065 STAGE, STREAM (FEET)	10/16/79-09/25/97	29	2.55	2.957	6.83	0.83	2.262	1.504	1.4	2.045	3.45	6.09
00070 TURBIDITY, (JACKSON CANDLE UNITS)	01/29/76-09/20/77	18	10.35	20.3	144.	2.2	1059.771	32.554	2.47	4.525	19.5	47.7
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/27/76-09/25/97	25	460.	436.36	636.	250.	10297.74	101.478	273.	347.5	505.	550.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/76-09/25/97	43	515.	616.674	5357.	305.	552228.177	743.121	409.2	477.	547.	594.2
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	67	9.6	9.837	14.7	6.6	4.789	2.188	7.38	8.	11.5	13.04
00310 BOD, 5 DAY, 20 DEG C MG/L	01/29/76-09/25/97	26	2.15	2.123	3.5	0.6	0.839	0.916	1.	1.	3.125	3.4
00340 COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	70	12.	13.071	50.	2.	69.053	8.31	4.	8.	16.5	20.9
00400 PH (STANDARD UNITS)	04/27/76-09/25/97	54	7.85	7.815	8.7	6.9	0.143	0.378	7.22	7.553	8.1	8.3
00400 CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	54	7.847	7.647	8.7	6.9	0.172	0.414	7.22	7.553	8.1	8.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	54	0.014	0.023	0.126	0.002	0.001	0.023	0.005	0.008	0.028	0.06
00403 PH, LAB, STANDARD UNITS SU	01/29/76-10/20/81	21	8.	7.89	8.2	6.	0.208	0.456	7.8	7.8	8.1	8.2
00403 CONVERTED PH, LAB, STANDARD UNITS	01/29/76-10/20/81	21	8.	7.237	8.2	6.	0.657	0.811	7.8	7.8	8.1	8.2
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/76-10/20/81	21	0.01	0.058	1.	0.006	0.047	0.216	0.006	0.008	0.016	0.016
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	02/25/76-09/25/97	17	187.	166.	226.	8.	4156.25	64.469	9.6	163.	200.5	216.4
00435 ACIDITY, TOTAL (MG/L AS CaCO3)	02/25/76-03/15/78	8	4.	4.125	11.	0.	14.411	3.796	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	01/29/76-02/13/78	20	334.5	342.5	553.	234.	5183.316	71.995	265.4	288.25	376.	451.6
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/29/76-01/24/80	25	288.	295.48	520.	202.	3653.177	60.442	239.2	247.5	327.	340.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	69	22.	35.355	376.	2.5	2716.361	52.119	5.	10.	40.	77.
00550 OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	02/25/76-08/16/77	5	5.	4.1	5.	0.5	4.05	2.012	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	71	0.06	0.11	0.75	0.025	0.014	0.119	0.025	0.05	0.15	0.24
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-09/23/81	60	0.03	0.057	1.24	0.01	0.026	0.16	0.01	0.01	0.048	0.079
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	69	0.5	0.65	5.6	0.1	0.456	0.676	0.3	0.36	0.7	1.
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	01/29/76-09/25/97	71	2.45	2.518	7.93	0.01	2.447	1.564	0.418	1.16	3.53	4.622
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	02/15/77-03/16/77	2	0.22	0.22	0.29	0.15	0.01	0.099	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	01/29/76-07/14/77	13	0.05	0.125	0.46	0.05	0.019	0.139	0.05	0.05	0.17	0.42
00665 PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	71	0.07	0.128	1.6	0.01	0.045	0.211	0.032	0.05	0.12	0.236
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	01/29/76-09/25/97	25	3.5	6.808	18.	1.	33.626	5.799	1.	2.4	12.	15.8
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	01/29/76-09/20/77	16	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	02/25/76-09/25/97	29	256.	248.724	316.	152.	1629.35	40.365	170.	235.5	273.5	288.
00916 CALCIUM, TOTAL (MG/L AS Ca)	02/25/76-09/25/97	13	56.	53.923	68.	41.	75.744	8.703	41.4	46.	61.	66.4
00927 MAGNESIUM, TOTAL (MG/L AS MG)	02/25/76-09/25/97	13	27.	26.615	35.	18.	20.423	4.519	20.	24.	28.5	34.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00929	SODIUM, TOTAL (MG/L AS NA)	02/25/76-09/25/97	13	6.	7.	11.	5.	2.5	1.581	5.4	6.	8.	9.8
00937	POTASSIUM, TOTAL MG/L AS K)	02/25/76-09/25/97	13	2.9	2.708	4.3	2.	0.434	0.659	2.	2.	3.	3.82
00940	CHLORIDE, TOTAL IN WATER MG/L	01/29/76-09/25/97	30	17.	16.6	24.	12.	12.869	3.587	12.	13.	19.25	22.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/25/76-09/25/97	18	33.5	35.611	52.	19.	92.134	9.599	19.9	29.	43.25	50.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/25/76-08/16/77	7	0.21	0.236	0.39	0.16	0.006	0.079	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	5	0.2	0.2	0.3	0.1	0.005	0.071	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	02/25/76-09/25/97	14 ##	7.5	5.786	10.	1.	20.181	4.492	1.	1.	10.	10.
01007	BARIIUM, TOTAL (UG/L AS BA)	02/25/76-08/16/77	7	200.	200.	200.	200.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	02/25/76-09/25/97	29 ##	2.5	3.555	10.	0.1	6.778	2.603	0.1	2.5	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/25/76-09/25/97	29	30.	23.103	40.	15.	66.81	8.174	15.	15.	30.	30.
01042	COPPER, TOTAL (UG/L AS CU)	02/25/76-09/25/97	29	30.	20.345	40.	1.	143.805	11.992	1.	15.	30.	30.
01045	IRON, TOTAL (UG/L AS FE)	02/25/76-09/25/97	29	583.	1665.069	13000.	173.	7974493.138	2823.915	241.	350.	1170.	4800.
01051	LEAD, TOTAL (UG/L AS PB)	02/25/76-09/25/97	29	5.	7.983	45.	1.	98.884	9.944	1.	2.5	10.	13.
01055	MANGANESE, TOTAL (UG/L AS MN)	02/25/76-09/25/97	22	75.	97.273	410.	30.	7367.732	85.835	36.	40.	107.5	210.5
01067	NICKEL, TOTAL (UG/L AS NI)	03/15/78-09/25/97	21 ##	50.	60.476	100.	20.	1154.762	33.982	20.	20.	100.	100.
01077	SILVER, TOTAL (UG/L AS AG)	02/25/76-08/16/77	7	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/25/76-09/25/97	29	30.	23.724	50.	5.	133.993	11.576	5.	15.	30.	30.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/15/78-09/25/97	11	400.	708.273	2600.	100.	709257.618	842.174	100.	100.	700.	2500.
01147	SELENIUM, TOTAL (UG/L AS SE)	02/25/76-09/25/97	13	5.	3.923	10.	1.	10.91	3.303	1.	1.	5.	10.
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	02/25/76-08/16/77	6	30.	30.	30.	30.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	62	150.	389.815	5400.	2.	655666.395	809.732	15.7	60.	342.5	797.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	62	2.176	2.134	3.732	0.301	0.462	0.68	1.139	1.778	2.535	2.901
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-09/20/77	19	120.	284.842	1500.	4.	153181.251	391.384	35.	54.	340.	1100.
31679	LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	01/29/76-09/20/77	19	2.079	2.113	3.176	0.602	0.368	0.607	1.544	1.732	2.531	3.041
31679	GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	01/29/76-09/20/77	19	2.079	2.113	3.176	0.602	0.368	0.607	1.544	1.732	2.531	3.041
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/29/76-08/05/81	33	2.	3.03	15.	1.	6.905	2.628	1.4	2.	3.5	5.6
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/29/76-05/18/78	20	0.075	0.079	0.13	0.05	0.001	0.027	0.05	0.05	0.108	0.11
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	03/27/80-09/25/97	23	299.	320.522	943.	195.	19527.715	139.742	233.6	279.	321.	328.8
71900	MERCURY, TOTAL (UG/L AS HG)	02/25/76-09/25/97	24	0.5	0.36	0.7	0.1	0.034	0.184	0.1	0.213	0.5	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0045

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	18	1	0.06	3	0	0.00	5	1	0.20	10	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	67	0	0.00	12	0	0.00	20	0	0.00	35	0	0.00		
00400	PH	Fresh Chronic	9.	54	0	0.00	9	0	0.00	14	0	0.00	31	0	0.00		
00403	PH, LAB	Other-Lo Lim.	6.5	54	0	0.00	9	0	0.00	14	0	0.00	31	0	0.00		
		Fresh Chronic	9.	21	0	0.00	4	0	0.00	9	0	0.00	8	0	0.00		
		Other-Lo Lim.	6.5	21	1	0.05	4	0	0.00	9	1	0.11	8	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	60	1	0.02	9	1	0.11	20	0	0.00	31	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	71	0	0.00	13	0	0.00	22	0	0.00	36	0	0.00		
00720	CYANIDE, TOTAL	Fresh Acute	0.022	16	0	0.00	3	0	0.00	4	0	0.00	9	0	0.00		
00940	CHLORIDE,TOTAL IN WATER	Drinking Water	0.2	16	0	0.00	3	0	0.00	4	0	0.00	9	0	0.00		
		Fresh Acute	860.	30	0	0.00	5	0	0.00	8	0	0.00	17	0	0.00		
		Drinking Water	250.	30	0	0.00	5	0	0.00	8	0	0.00	17	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	3	0	0.00	5	0	0.00	10	0	0.00		
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00				3	0	0.00	4	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	2	0	0.00			3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	14	0	0.00	2	0	0.00	4	0	0.00	8	0	0.00		
		Drinking Water	50.	14	0	0.00	2	0	0.00	4	0	0.00	8	0	0.00		
01007	BARIUM, TOTAL	Drinking Water	2000.	7	0	0.00				3	0	0.00	4	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	29	14	0.48	3	0	0.00	10	6	0.60	16	8	0.50		
		Drinking Water	5.	29	14	0.48	3	0	0.00	10	6	0.60	16	8	0.50		
01034	CHROMIUM, TOTAL	Drinking Water	100.	29	0	0.00	3	0	0.00	10	0	0.00	16	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	29	15	0.52	3	0	0.00	10	6	0.60	16	9	0.56		
		Drinking Water	1300.	29	0	0.00	3	0	0.00	10	0	0.00	16	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0045

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
01051	LEAD, TOTAL					Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
	Fresh Acute	82.	29	0	0.00	3	0	0.00	10	0	0.00	16	0	0.00			
	Drinking Water	15.	29	2	0.07	3	0	0.00	10	2	0.20	16	0	0.00			
01067	NICKEL, TOTAL																
	Fresh Acute	1400.	21	0	0.00	3	0	0.00	6	0	0.00	12	0	0.00			
	Drinking Water	100.	21	8	0.38	3	1	0.33	6	3	0.50	12	4	0.33			
01077	SILVER, TOTAL																
	Fresh Acute	4.1	7	7	1.00				3	3	1.00	4	4	1.00			
	Drinking Water	100.	7	0	0.00				3	0	0.00	4	0	0.00			
01092	ZINC, TOTAL																
	Fresh Acute	120.	29	0	0.00	3	0	0.00	10	0	0.00	16	0	0.00			
	Drinking Water	5000.	29	0	0.00	3	0	0.00	10	0	0.00	16	0	0.00			
01147	SELENIUM, TOTAL																
	Fresh Acute	20.	13	0	0.00	2	0	0.00	3	0	0.00	8	0	0.00			
	Drinking Water	50.	13	0	0.00	2	0	0.00	3	0	0.00	8	0	0.00			
01220	CHROMIUM, HEXAVALENT, DISSOLVED																
	Fresh Acute	16.	6	6	1.00				2	2	1.00	4	4	1.00			
	Drinking Water	100.	6	0	0.00				2	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH																
	Other-Hi Lim.	200.	62	25	0.40	10	1	0.10	21	10	0.48	31	14	0.45			
71900	MERCURY, TOTAL																
	Fresh Acute	2.4	24	0	0.00	3	0	0.00	7	0	0.00	14	0	0.00			
	Drinking Water	2.	24	0	0.00	3	0	0.00	7	0	0.00	14	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1976 - Station HOCU0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	13.	13.391	25.	1.8	77.913	8.827	2.02	6.	22.5	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11	144.	773.091	5110.	94.	2323533.491	1524.314	95.2	101.	529.	4449.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11	9.6	10.073	13.8	7.	5.918	2.433	7.16	8.	12.5	13.76
00340	COD, .25N K2CR2O7 MG/L	11	12.	14.182	24.	4.	43.564	6.6	4.	12.	20.	23.6
00400	PH (STANDARD UNITS)	4	7.9	7.825	8.1	7.4	0.096	0.31	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	4	7.889	7.735	8.1	7.4	0.107	0.326	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	4	0.013	0.018	0.04	0.008	0.	0.015	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11	24.	40.727	200.	10.	2953.218	54.344	10.	10.	40.	169.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11	0.09	0.133	0.32	0.05	0.01	0.102	0.05	0.05	0.24	0.308
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11	0.01	0.026	0.14	0.01	0.002	0.039	0.01	0.01	0.03	0.12
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11	0.3	0.391	0.6	0.3	0.013	0.114	0.3	0.3	0.5	0.58
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11	0.45	0.992	3.42	0.1	1.234	1.111	0.132	0.36	2.11	3.216
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11	0.08	0.108	0.32	0.05	0.007	0.082	0.05	0.06	0.1	0.296
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11	120.	412.727	2700.	4.	633620.218	796.003	4.8	10.	280.	2330.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11	2.079	1.973	3.431	0.602	0.757	0.87	0.662	1.	2.447	3.331
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			94.031								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station HOCU0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	8	19.15	17.413	26.	0.5	77.061	8.778	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	8	285.	394.875	986.	84.	138808.125	372.57	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	8	8.8	9.363	13.2	7.1	4.777	2.186	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	8	14.5	15.5	24.	10.	23.429	4.84	**	**	**	**
00400	PH (STANDARD UNITS)	3	8.	7.867	8.2	7.4	0.173	0.416	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	3	8.	7.728	8.2	7.4	0.202	0.45	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	3	0.01	0.019	0.04	0.006	0.	0.018	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	8	36.	42.75	100.	13.	787.929	28.07	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	8	0.12	0.209	0.75	0.03	0.059	0.244	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	8	0.03	0.034	0.09	0.01	0.001	0.026	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	8	0.65	0.7	1.1	0.4	0.06	0.245	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	8	1.705	1.954	3.66	0.36	1.679	1.296	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	8	0.11	0.124	0.24	0.05	0.005	0.074	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	7	110.	262.429	1100.	61.	141889.286	376.682	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	7	2.041	2.173	3.041	1.785	0.194	0.441	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			148.829								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station HOCU0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11	14.5	13.	22.	1.	61.25	7.826	1.	6.	21.	21.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	12	639.	1044.667	4460.	63.	1771104.242	1330.828	64.5	122.	1657.25	3904.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	9	9.6	9.644	12.7	7.4	3.465	1.862	7.4	7.75	11.3	12.7
00340	COD, .25N K2CR2O7 MG/L	12	10.5	12.5	30.	4.	48.818	6.987	4.3	8.5	15.75	26.7
00400	PH (STANDARD UNITS)	9	7.9	7.9	8.3	7.2	0.118	0.343	7.2	7.7	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	9	7.9	7.759	8.3	7.2	0.14	0.374	7.2	7.7	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	9	0.013	0.017	0.063	0.005	0.	0.018	0.005	0.006	0.02	0.063
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12	24.	28.5	77.	10.	451.	21.237	10.	10.	40.75	70.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12	0.13	0.126	0.24	0.05	0.005	0.071	0.05	0.053	0.18	0.231
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10	0.025	0.041	0.15	0.01	0.002	0.044	0.01	0.01	0.063	0.142
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12	0.6	0.65	1.1	0.3	0.05	0.224	0.33	0.5	0.8	1.04

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Annual Analysis for 1978 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	12	2.97	2.983	4.63	1.09	1.691	1.3	1.177	1.743	4.258	4.618
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	12	0.09	0.287	1.6	0.05	0.221	0.47	0.05	0.26	1.372	
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	11	230.	713.636	5400.	3.	2452073.255	1565.91	19.8	90.	480.	4452.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	11	2.362	2.297	3.732	0.477	0.613	0.783	0.77	1.954	2.681	3.55
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN = 198.289											

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	12	11.5	13.5	25.	1.	86.591	9.305	1.3	5.375	23.875	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/29/76-10/20/81	10	809.	1758.9	7737.	493.	4864508.989	2205.563	496.7	540.5	1974.75	7221.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	11	9.8	10.164	14.7	8.1	4.147	2.036	8.12	8.4	11.2	14.24
00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	12	10.	10.167	18.	4.	21.97	4.687	4.	5.	13.75	17.4
00400	PH (STANDARD UNITS)	04/27/76-09/25/97	11	7.8	7.845	8.7	7.2	0.153	0.391	7.24	7.7	8.	8.6
00400	CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	11	7.8	7.705	8.7	7.2	0.175	0.418	7.24	7.7	8.	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	11	0.016	0.02	0.063	0.002	0.	0.017	0.003	0.01	0.02	0.058
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	12	22.	30.667	105.	10.	693.879	26.342	10.6	15.	38.	88.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	12	0.06	0.095	0.24	0.05	0.004	0.062	0.05	0.05	0.138	0.219
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-09/23/81	12	0.025	0.032	0.07	0.01	0.	0.022	0.01	0.013	0.048	0.07
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	11	0.67	1.07	5.6	0.3	2.328	1.526	0.308	0.36	0.8	4.72
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	12	2.995	3.523	7.93	1.9	2.933	1.712	1.984	2.275	4.365	7.063
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	12	0.055	0.081	0.19	0.03	0.003	0.053	0.036	0.05	0.103	0.187
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	12	200.	317.167	800.	36.	62205.424	249.41	61.2	150.	530.	770.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	12	2.296	2.365	2.903	1.556	0.147	0.383	1.713	2.176	2.718	2.886
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			231.687								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	12	10.25	11.667	26.	0.	83.515	9.139	0.45	3.	21.5	24.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/29/76-10/20/81	12	852.	1221.5	4132.	81.	1619560.273	1272.619	156.	359.25	1788.25	3867.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	12	10.3	10.308	13.9	7.7	4.168	2.042	7.7	8.25	11.85	13.51
00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	12	13.	16.917	50.	2.	227.174	15.072	2.6	8.	19.	48.2
00400	PH (STANDARD UNITS)	04/27/76-09/25/97	12	8.	7.867	8.3	7.1	0.168	0.41	7.19	7.525	8.275	8.3
00400	CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	12	8.	7.681	8.3	7.1	0.206	0.454	7.19	7.525	8.275	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	12	0.01	0.021	0.079	0.005	0.	0.022	0.005	0.005	0.03	0.068
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	12	17.	53.167	376.	5.	10889.242	104.352	5.	5.	42.25	289.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	12 ##	0.038	0.048	0.1	0.025	0.001	0.027	0.025	0.025	0.075	0.094
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-09/23/81	11	0.04	0.15	1.24	0.01	0.131	0.362	0.012	0.03	0.07	1.006
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	11	0.47	0.585	1.94	0.33	0.212	0.46	0.336	0.36	0.59	1.672
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	12	2.675	2.605	5.2	0.01	2.571	1.603	0.19	1.228	3.578	5.119
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	12	0.071	0.106	0.417	0.01	0.011	0.105	0.016	0.061	0.117	0.337
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	9	190.	464.333	2500.	33.	626138.75	791.289	33.	58.5	505.	2500.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	9	2.279	2.257	3.398	1.519	0.37	0.609	1.519	1.744	2.668	3.398
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			180.846								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	10	13.75	13.55	26.5	1.	79.636	8.924	1.1	3.875	22.25	26.15
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/29/76-10/20/81	10	263.5	409.2	1001.	32.	133373.733	365.204	38.7	108.	724.25	993.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	10	9.9	10.38	14.2	7.4	5.737	2.395	7.46	8.15	13.	14.08
00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	9	11.	13.	21.	8.	24.25	4.924	8.	8.5	18.	21.
00400	PH (STANDARD UNITS)	04/27/76-09/25/97	9	8.	7.772	8.3	6.9	0.244	0.494	6.9	7.275	8.15	8.3
00400	CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	9	8.	7.499	8.3	6.9	0.329	0.573	6.9	7.275	8.15	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	9	0.01	0.032	0.126	0.005	0.002	0.041	0.005	0.007	0.054	0.126
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	8	15.	26.	104.	5.	1122.286	33.501	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	10 ##	0.038	0.087	0.32	0.025	0.01	0.099	0.025	0.025	0.145	0.307
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-09/23/81	8	0.025	0.053	0.22	0.01	0.005	0.072	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	10	0.61	0.633	1.4	0.23	0.107	0.327	0.237	0.383	0.778	1.34
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	10	2.75	3.05	5.26	1.	2.071	1.439	1.032	1.935	4.337	5.239
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	10	0.076	0.089	0.276	0.01	0.006	0.075	0.012	0.036	0.109	0.26
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	10	51.5	179.65	790.	2.	63600.781	252.192	2.45	23.375	305.	752.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	10	1.709	1.767	2.898	0.301	0.646	0.803	0.352	1.3	2.477	2.869
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			58.467								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	6	22.2	21.4	24.	15.1	10.156	3.187	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	6	7.	7.883	12.3	6.6	4.866	2.206	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	6 ##	5.	7.167	18.	5.	28.167	5.307	**	**	**	**
00400	PH (STANDARD UNITS)	04/27/76-09/25/97	6	7.625	7.562	7.69	7.24	0.031	0.176	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	6	7.622	7.528	7.69	7.24	0.032	0.179	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	6	0.024	0.03	0.058	0.02	0.	0.014	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	6	11.	15.583	43.	2.5	199.642	14.129	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	6 ##	0.025	0.094	0.44	0.025	0.029	0.169	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	6	0.45	0.433	1.	0.1	0.111	0.333	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	6	2.33	2.067	2.79	0.99	0.476	0.69	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	6	0.06	0.062	0.13	0.025	0.002	0.039	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	2	80.	80.	110.	50.	1800.	42.426	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	2	1.87	1.87	2.041	1.699	0.059	0.242	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =											
					74.162								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	13	15.1	16.554	24.5	8.5	28.738	5.361	9.1	12.5	21.8	23.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/76-09/25/97	9	525.	521.889	560.	478.	971.611	31.171	478.	487.5	551.	560.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	12	9.4	9.475	12.3	7.7	2.153	1.467	7.73	8.025	10.65	11.97
00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	12	9.5	10.083	20.	4.	30.083	5.485	4.	5.	15.	19.4
00400	PH (STANDARD UNITS)	04/27/76-09/25/97	9	8.	7.893	8.3	7.24	0.152	0.39	7.24	7.5	8.25	8.3
00400	CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	9	8.	7.73	8.3	7.24	0.182	0.427	7.24	7.5	8.25	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	9	0.01	0.019	0.058	0.005	0.	0.018	0.005	0.006	0.032	0.058
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	13	10.	12.962	36.	2.5	84.853	9.212	3.5	5.	17.	31.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	13	0.05	0.039	0.06	0.025	0.	0.014	0.025	0.025	0.05	0.056
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	12	0.4	0.458	0.9	0.3	0.033	0.182	0.3	0.315	0.575	0.831
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	13	1.09	1.235	2.84	0.01	0.694	0.833	0.15	0.41	1.93	2.576
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	13	0.05	0.059	0.13	0.01	0.001	0.03	0.017	0.04	0.075	0.11
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	10	130.	106.65	230.	6.5	5793.114	76.113	6.85	27.25	155.	224.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	10	2.109	1.825	2.362	0.813	0.297	0.545	0.832	1.389	2.19	2.349
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			66.821								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	21	2.	3.729	11.5	0.	10.158	3.187	0.6	1.	6.	9.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/76-09/25/97	13	543.	887.231	5357.	365.	1811796.192	1346.03	365.8	445.	602.	3476.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	20	12.55	12.32	14.7	9.5	2.177	1.476	9.68	11.425	13.5	14.17
00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	22	13.	12.455	24.	2.	38.355	6.193	4.	8.	16.5	21.7
00400	PH (STANDARD UNITS)	04/27/76-09/25/97	14	7.85	7.821	8.7	6.9	0.248	0.498	7.	7.5	8.2	8.5
00400	CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	14	7.847	7.549	8.7	6.9	0.328	0.573	7.	7.5	8.2	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	14	0.014	0.028	0.126	0.002	0.001	0.036	0.004	0.006	0.035	0.103
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	22	17.	36.727	200.	5.	2232.874	47.253	5.	10.	47.25	104.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	22	0.095	0.157	0.75	0.025	0.026	0.161	0.033	0.058	0.24	0.32
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	21	0.6	0.677	1.4	0.23	0.096	0.309	0.344	0.495	0.85	1.18
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	22	2.495	2.59	5.26	0.37	1.714	1.309	0.62	1.598	3.598	4.391
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	22	0.08	0.189	1.6	0.03	0.107	0.327	0.045	0.062	0.193	0.314
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	21	120.	342.571	2700.	2.	348721.857	590.527	3.2	32.5	445.	772.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	21	2.079	1.982	3.431	0.301	0.737	0.858	0.502	1.509	2.647	2.886
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			95.859								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/29/76-09/25/97	36	22.	19.5	26.5	6.	32.558	5.706	9.4	15.125	24.	25.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/76-09/25/97	21	498.	489.81	587.	305.	3689.962	60.745	424.4	455.	534.	556.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/29/76-09/25/97	35	8.1	8.543	11.8	6.6	1.985	1.409	6.88	7.5	9.6	11.08
00340	COD, .25N K2CR2O7 MG/L	01/29/76-09/25/97	36	12.	14.444	50.	4.	98.425	9.921	5.	8.5	18.	25.8
00400	PH (STANDARD UNITS)	04/27/76-09/25/97	31	7.8	7.79	8.3	7.2	0.102	0.319	7.36	7.57	8.	8.2
00400	CONVERTED PH (STANDARD UNITS)	04/27/76-09/25/97	31	7.8	7.675	8.3	7.2	0.115	0.34	7.36	7.57	8.	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/76-09/25/97	31	0.016	0.021	0.063	0.005	0.	0.016	0.006	0.01	0.027	0.044
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-09/25/97	34	30.	43.029	376.	10.	3886.09	62.339	10.	15.75	43.	73.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-09/25/97	36	0.06	0.106	0.44	0.025	0.01	0.098	0.025	0.035	0.165	0.225
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-09/25/97	36	0.52	0.698	5.6	0.1	0.807	0.898	0.3	0.338	0.7	0.93
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/29/76-09/25/97	36	2.97	2.937	7.93	0.1	2.831	1.683	0.534	2.118	3.72	5.043
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-09/25/97	36	0.081	0.116	0.84	0.01	0.021	0.144	0.043	0.05	0.118	0.226
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-08/22/97	31	160.	513.161	5400.	36.	1054957.873	1027.111	48.4	90.	380.	1050.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/76-08/22/97	31	2.204	2.336	3.732	1.556	0.268	0.518	1.685	1.954	2.58	3.019
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN = 216.927											

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0046

NPS Station ID: HOCU0046
 Location: Paint Creek, Bourneville Gage
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060002092000.00
 Description:

LAT/LON: 39.263449/ -83.166948

Depth of Water: 5
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.11

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1PCSW0024
 Within Park Boundary: No

Date Created: 04/16/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 6.30
 Distance from RF3: 0.10

On/Off RF1:
 On/Off RF3:

PAINT CREEK AT JONES LEVEE ROAD BRIDGE OFF US 50, USGS GAGING STATION SS W OF BOURNEVILLE, OHIO. SAMPLED BY US ARMY CORPS OF ENGINEERS, HUNTINGT
 ON, WV, 304-529-5694. BOURNEVILLE, OHIO QUAD. ROSS COUNTY.

Parameter Inventory for Station: HOCU0046

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	10/17/95-09/17/96	19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/95-09/17/96	18	15.35	13.989	24.4	0.6	64.633	8.039	2.58	6.55	21.625	23.86
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/17/95-09/17/96	18	15.	15.667	27.	4.	68.941	8.303	4.9	8.25	25.25	27.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/95-09/17/96	18	421.5	385.389	530.	187.	13295.193	115.305	188.8	309.	474.75	525.5
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/17/95-09/17/96	18	9.25	9.528	12.7	6.4	4.367	2.09	6.76	7.55	11.525	12.61
00400 PH (STANDARD UNITS)	10/17/95-09/17/96	18	7.9	7.9	8.3	7.6	0.044	0.209	7.69	7.7	8.1	8.21
00400 CONVERTED PH (STANDARD UNITS)	10/17/95-09/17/96	18	7.9	7.856	8.3	7.6	0.046	0.214	7.69	7.7	8.1	8.21
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/95-09/17/96	18	0.013	0.014	0.025	0.005	0.	0.006	0.006	0.008	0.02	0.02
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	10/17/95-09/17/96	18	170.	163.556	220.	92.	1131.085	33.632	113.6	144.	185.	202.
00500 RESIDUE, TOTAL (MG/L)	10/17/95-09/17/96	19	337.	336.105	530.	170.	4542.877	67.401	269.	317.	355.	393.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/17/95-09/17/96	19	289.	268.316	332.	159.	2919.895	54.036	168.	250.	313.	318.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/17/95-09/17/96	19	24.	51.	319.	1.	6705.889	81.889	5.	10.	39.	216.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/17/96-09/17/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/17/95-09/17/96	18	0.08	0.189	1.78	0.01	0.166	0.407	0.01	0.01	0.16	0.457
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	02/20/96-09/17/96	5	0.09	0.102	0.23	0.01	0.007	0.081	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/95-09/17/96	17	0.19	0.396	3.23	0.01	0.578	0.76	0.01	0.045	0.33	1.214
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/95-09/17/96	19	2.81	2.863	7.46	0.83	2.899	1.703	1.21	1.42	3.85	5.01
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/17/96-09/17/96	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/17/95-09/17/96	19	0.08	0.102	0.46	0.03	0.009	0.096	0.04	0.05	0.11	0.17
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	10/17/95-09/17/96	16 ##	0.01	0.022	0.07	0.01	0.	0.02	0.01	0.01	0.038	0.056
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/17/95-09/17/96	19	6.9	7.142	16.9	2.1	13.128	3.623	3.7	4.2	8.8	14.3
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	02/20/96-09/17/96	6	4.9	4.55	7.2	1.1	5.275	2.297	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	10/17/95-09/04/96	5	267.	248.4	301.	182.	2247.8	47.411	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	06/12/96-09/04/96	3	64.8	60.367	72.3	44.	214.963	14.662	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	06/12/96-09/04/96	3	27.1	24.633	29.2	17.6	38.203	6.181	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	06/12/96-09/04/96	4	6.035	5.845	7.61	3.7	2.605	1.614	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	06/12/96-09/04/96	4	2.72	2.725	3.39	2.07	0.547	0.739	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	10/17/95-09/04/96	5	11.	12.2	21.	7.	31.7	5.63	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/95-09/04/96	5	22.	21.4	29.	14.	46.3	6.804	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	06/12/96-09/04/96	4 ##	2.	2.	3.	1.	1.333	1.155	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	06/12/96-09/04/96	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/12/96-09/04/96	4 ##	0.5	2.625	9.	0.5	18.063	4.25	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	06/12/96-09/04/96	4 ##	3.	3.25	5.	2.	2.25	1.5	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0046

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045 IRON, TOTAL (UG/L AS FE)	10/17/95-09/17/96	19	712.	1685.789	6600.	129.	3820878.953	1954.707	198.	252.	1800.	5500.
01051 LEAD, TOTAL (UG/L AS PB)	06/12/96-09/04/96	4 ##	0.5	1.875	6.	0.5	7.563	2.75	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	10/17/95-09/17/96	19	56.	78.105	272.	27.	4491.322	67.017	30.	39.	79.	235.
01067 NICKEL, TOTAL (UG/L AS NI)	06/12/96-09/04/96	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	06/12/96-09/04/96	4 ##	5.75	29.	102.	2.5	2377.833	48.763	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	06/12/96-09/04/96	4	350.	917.5	2800.	170.	1600595.667	1265.147	**	**	**	**
32210 CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/17/95-09/17/96	15	9.91	11.3	34.86	1.42	65.557	8.097	2.212	6.08	14.26	25.182
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/17/95-09/17/96	15	8.12	8.843	27.34	1.1	42.77	6.54	1.766	4.54	12.38	19.864
32212 CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/17/95-09/17/96	15 ##	0.5	0.667	1.32	0.5	0.086	0.294	0.5	0.5	1.01	1.212
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/17/95-09/17/96	15	2.53	3.573	10.86	0.5	6.416	2.533	0.5	2.32	4.94	7.698
32219 PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	10/17/95-09/17/96	15	1.5	1.487	1.6	1.4	0.004	0.064	1.4	1.4	1.5	1.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0046

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	18	0	0.00	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Fresh Chronic	9.	18	0	0.00	3	0	0.00	4	0	0.00	11	0	0.00			
	Other-Lo Lim.	6.5	18	0	0.00	3	0	0.00	4	0	0.00	11	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	3	0	0.00	4	0	0.00	12	0	0.00			
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	50.	4	0	0.00	1	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	5.	4	0	0.00	1	0	0.00				3	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	1300.	4	0	0.00	1	0	0.00				3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	15.	4	0	0.00	1	0	0.00				3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	100.	4	0	0.00	1	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	1	0	0.00				3	0	0.00			
	Drinking Water	5000.	4	0	0.00	1	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0047

NPS Station ID: HOCU0047
 Location: PAINT C NR BOURNEVILLE OH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060003
 Major Basin:
 Minor Basin:
 RF1 Index: 05060003021
 RF3 Index: 05060002007802.73
 Description:

LAT/LON: 39.263615/ -83.166948

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 1.280
 RF3 Mile Point: 3.15

Agency: 112WRD
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 03234000
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.01

Date Created: / /

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	178	14.	13.922	28.	0.	68.788	8.294	2.	6.525	22.	24.05
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/26/74-06/13/77	6	26.25	23.083	27.	14.	32.042	5.661	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	202	339.	1342.045	20800.	14.	7459115.117	2731.138	32.	93.5	1025.	3904.
00061 FLOW, STREAM, INSTANTANEOUS CFS	12/10/56-06/13/77	42	2585.	4164.19	24500.	8.	23828357.036	4881.43	74.8	373.75	7390.	9550.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	167	550.	520.575	730.	239.	9966.366	99.832	358.8	446.	595.	623.
00300 OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	54	9.3	9.494	14.6	1.	7.287	2.7	6.6	8.125	11.1	13.5
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	54	90.5	90.241	128.	43.	252.262	15.883	69.	83.	100.	109.5
00310 BOD, 5 DAY, 20 DEG C MG/L	08/27/75-06/13/77	5	2.9	2.88	5.6	1.1	3.162	1.778	**	**	**	**
00400 PH (STANDARD UNITS)	10/09/65-06/13/77	159	7.9	7.868	8.6	6.9	0.154	0.392	7.3	7.6	8.2	8.4
00400 CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	159	7.9	7.691	8.6	6.9	0.186	0.431	7.3	7.6	8.2	8.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	159	0.013	0.02	0.126	0.003	0.	0.02	0.004	0.006	0.025	0.05
00405 CARBON DIOXIDE (MG/L AS CO2)	08/16/72-06/13/77	11	3.7	3.473	6.1	1.1	2.454	1.567	1.22	2.1	4.9	5.88
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	119	207.	197.714	292.	98.	2204.935	46.957	123.	164.	233.	254.
00440 BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	150	248.	239.507	356.	120.	3153.876	56.159	150.1	197.5	288.	306.
00445 CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	150	0.	1.24	20.	0.	12.09	3.477	0.	0.	0.	4.
00500 RESIDUE, TOTAL (MG/L)	09/24/73-10/24/73	2	376.	376.	376.	376.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/74-06/13/77	7	0.06	0.093	0.21	0.05	0.003	0.059	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/13/77	11	0.01	0.015	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.038
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/22/71-03/27/73	6	2.35	2.483	4.5	0.6	3.862	1.965	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/13/77	11	1.9	1.759	3.8	0.47	1.194	1.093	0.476	0.78	2.6	3.6
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	09/24/73-06/13/77	11	1.9	1.763	3.8	0.48	1.185	1.089	0.486	0.8	2.6	3.6
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	05/01/67-05/01/67	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/16/72-06/13/77	10	0.08	0.103	0.33	0.038	0.007	0.085	0.038	0.055	0.12	0.309
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/75-06/13/77	4	6.4	6.45	7.8	5.2	1.137	1.066	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	157	275.	260.268	374.	123.	3005.031	54.818	177.4	217.5	302.	316.
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	149	60.	61.671	112.	22.	330.479	18.179	38.	48.	78.	85.
00915 CALCIUM, DISSOLVED (MG/L AS Ca)	10/24/73-06/13/77	9	53.	52.889	65.	34.	102.611	10.13	34.	46.	61.5	65.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/73-06/13/77	9	26.	25.333	30.	14.	22.25	4.717	14.	24.5	28.5	30.
00930 SODIUM, DISSOLVED (MG/L AS Na)	09/26/74-06/13/77	7	7.	6.529	8.	5.3	1.106	1.052	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/26/74-06/13/77	7	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	09/26/74-06/13/77	7	5.	5.714	7.	5.	0.905	0.951	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/26/74-06/13/77	7	2.3	2.2	2.6	1.8	0.077	0.277	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	159	16.	16.333	37.	4.	24.768	4.977	10.	14.	19.	22.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	159	46.	46.509	72.	17.	118.353	10.879	31.	39.	55.	61.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	148	0.3	0.273	0.6	0.1	0.008	0.088	0.2	0.2	0.3	0.4
00951 FLUORIDE, TOTAL (MG/L AS F)	09/24/73-09/24/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO2)	09/26/74-06/13/77	7	4.2	4.357	5.7	2.7	1.056	1.028	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	08/27/75-06/13/77	5	1.	1.5	3.	0.5	1.	1.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/27/75-06/13/77	5 ##	10.	10.	20.	0.	50.	7.071	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/27/75-06/13/77	5 ##	4.	5.4	10.	0.	19.8	4.45	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/26/74-06/13/77	7 ##	5.	22.857	100.	5.	1207.143	34.744	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/27/75-06/13/77	5 ##	1.	1.8	4.	0.	4.2	2.049	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/09/65-08/20/69	34	60.	79.412	320.	10.	4072.371	63.815	20.	40.	112.5	165.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/26/74-06/13/77	7 ##	5.	8.571	30.	5.	89.286	9.449	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/27/75-06/13/77	5 ##	10.	14.	20.	10.	30.	5.477	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/01/66-08/01/67	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/65-08/16/72	140	328.	313.5	438.	138.	3828.914	61.878	222.2	261.25	358.	385.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/26/74-06/13/77	7	257.	253.143	304.	168.	2009.476	44.827	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	118	266.	705.311	7750.	5.14	1495132.06	1222.756	31.13	68.975	578.5	2504.01
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	116	0.445	0.425	0.6	0.19	0.008	0.087	0.3	0.35	0.49	0.533
70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	01/10/57-02/24/62	9	20.	22.889	42.	15.	77.361	8.796	15.	17.5	27.	42.
70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	01/10/57-02/24/62	9	28.	28.444	54.	4.	167.278	12.934	4.	24.	32.5	54.
70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	01/10/57-02/24/62	9	49.	50.222	97.	26.	374.194	19.344	26.	41.5	52.	97.
70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	01/10/57-02/24/62	9	66.	54.667	83.	2.	892.25	29.871	2.	32.	73.	83.
70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	01/10/57-02/24/62	9	87.	86.	92.	75.	31.25	5.59	75.	82.	90.5	92.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/10/56-01/22/62	31	95.	94.839	100.	88.	8.806	2.968	89.2	94.	97.	98.8
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	12/10/56-02/24/62	30	98.	94.	100.	0.	317.862	17.829	94.1	97.	98.	99.
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	12/10/56-01/22/62	29	99.	95.138	100.	0.	336.837	18.353	96.	98.	99.	100.
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	12/10/56-05/08/61	22	100.	99.682	100.	94.	1.656	1.287	99.3	100.	100.	100.
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	04/08/57-04/08/57	2	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	12/10/56-07/16/62	29	39.	43.103	66.	29.	113.81	10.668	31.	34.5	49.5	61.
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	12/10/56-07/16/62	29	48.	51.414	76.	27.	134.466	11.596	39.	44.5	57.5	72.
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	12/10/56-07/16/62	29	66.	63.379	90.	8.	241.601	15.544	49.	56.5	70.	85.
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	12/10/56-07/16/62	29	77.	70.69	97.	4.	586.65	24.221	8.	69.5	82.	93.
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	12/10/56-07/16/62	29	89.	89.241	99.	80.	26.761	5.173	82.	85.5	93.	98.
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	01/22/62-01/22/62	1	94.	94.	94.	94.	0.	0.	**	**	**	**
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	02/24/62-07/16/62	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	01/22/62-01/22/62	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	148	8.65	10.364	31.	1.1	45.857	6.772	2.8	4.025	16.	20.
71883	MANGANESE, TOTAL ELEMENTAL (UG/L AS MN)	10/15/69-09/25/70	12	115.	103.333	200.	10.	3642.424	60.352	19.	50.	155.	191.
71885	IRON (UG/L AS FE)	10/09/65-09/25/70	46	100.	125.87	580.	0.	11171.449	105.695	44.	60.	152.5	218.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	120	0.345	0.414	1.9	0.	0.104	0.323	0.111	0.19	0.54	0.815
71900	MERCURY, TOTAL (UG/L AS HG)	08/27/75-06/13/77	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/10/56-07/16/62	33	1050.	1466.03	4650.	232.	1228214.843	1108.249	380.6	630.	2165.	3180.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/10/56-07/16/62	33	2140.	12709.061	114000.	395.	752444847.309	27430.728	622.2	1225.	6265.	61160.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0047

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	54	2	0.04	10	0	0.00	17	1	0.06	27	1	0.04		
00400	PH	Fresh Chronic	9.	159	0	0.00	30	0	0.00	59	0	0.00	70	0	0.00		
		Other-Lo Lim.	6.5	159	0	0.00	30	0	0.00	59	0	0.00	70	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	6	0	0.00				2	0	0.00	4	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	1	0	0.00	7	0	0.00		
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	159	0	0.00	30	0	0.00	59	0	0.00	70	0	0.00		
		Drinking Water	250.	159	0	0.00	30	0	0.00	59	0	0.00	70	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	159	0	0.00	30	0	0.00	59	0	0.00	70	0	0.00		
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	148	0	0.00	29	0	0.00	55	0	0.00	64	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00								
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00						5	0	0.00			
		Drinking Water	50.	5	0	0.00						5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00						5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00						5	0	0.00			
		Drinking Water	1300.	5	0	0.00						5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0047

Parameter	Std. Type	Std. Value	Total			-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00							5	0	0.00			
	Drinking Water	15.	5	0	0.00							5	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	5	0	0.00							5	0	0.00			
	Drinking Water	5000.	5	0	0.00							5	0	0.00			
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	148	0	0.00	27	0	0.00	58	0	0.00	63	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00							5	0	0.00			
	Drinking Water	2.	5	0	0.00							5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1959 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	1	4010.	4010.	4010.	4010.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1960 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	3	7140.	5917.333	10200.	412.	25072421.333	5007.237	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1961 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	5	6080.	6046.	13100.	1400.	20283780.	4503.752	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1962 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	3	13000.	9570.	13400.	2310.	39570700.	6290.525	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1965 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	1	13.9	13.9	13.9	13.9	0.	0.	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	1	1150.	1150.	1150.	1150.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	1	520.	520.	520.	520.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	10/09/65-06/13/77	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	1	265.	265.	265.	265.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	1	279.	279.	279.	279.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	1	330.	330.	330.	330.	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
71885 IRON (UG/L AS FE)	10/09/65-09/25/70	1	180.	180.	180.	180.	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1966 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	7	10.	11.043	21.1	5.6	27.403	5.235	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	13	662.	1314.385	6810.	14.	3596296.923	1896.39	18.4	38.	2030.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	10	559.	524.4	607.	348.	9612.044	98.041	349.9	454.	605.25
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	3	8.2	8.733	11.	7.	4.213	2.053	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	3	69.	76.	92.	67.	193.	13.892	**	**	**
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	10	7.5	7.55	8.1	6.9	0.167	0.409	6.93	7.2	8.025
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	10	7.5	7.391	8.1	6.9	0.195	0.442	6.93	7.2	8.025
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	10	0.032	0.041	0.126	0.008	0.001	0.036	0.008	0.009	0.063
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	1	238.	238.	238.	238.	0.	0.	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	10	250.	249.4	314.	148.	3248.044	56.992	149.4	219.	295.5
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	10	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	10	280.	262.9	315.	170.	2823.433	53.136	170.4	221.25	305.75
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	10	52.5	58.3	88.	41.	289.122	17.004	41.1	45.	77.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	10	16.	16.6	24.	9.	18.489	4.3	9.3	15.	20.25
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	10	47.5	48.	65.	33.	106.	10.296	33.3	40.5	55.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	10	0.3	0.3	0.4	0.2	0.007	0.082	0.2	0.2	0.4
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	10	329.5	311.1	379.	210.	3285.878	57.323	211.8	258.	353.25
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	1	34.1	34.1	34.1	34.1	0.	0.	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	10	6.6	8.63	20.	1.3	38.587	6.212	1.47	4.05	12.75
71885	IRON (UG/L AS FE)	10/09/65-09/25/70	3	260.	240.	440.	20.	44400.	210.713	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	4	0.5	0.508	0.65	0.38	0.022	0.148	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	19	11.7	11.474	23.9	1.	48.648	6.975	3.3	6.	16.7
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	40	246.5	775.5	5550.	16.	1529297.282	1236.648	27.1	61.25	772.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	30	522.	511.767	658.	332.	9469.151	97.31	370.5	418.	586.5
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	10	9.1	9.66	13.4	6.6	5.618	2.37	6.62	8.	11.6
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	10	86.	88.7	112.	73.	142.233	11.926	73.4	79.25	99.
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	30	7.9	7.873	8.4	7.	0.137	0.369	7.4	7.6	8.2
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	30	7.9	7.711	8.4	7.	0.164	0.405	7.4	7.6	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	30	0.013	0.019	0.1	0.004	0.	0.02	0.005	0.006	0.025
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	9	203.	199.	243.	149.	1342.	36.633	149.	164.	234.5
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	30	250.5	242.6	308.	142.	2718.593	52.14	174.3	197.5	292.
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	30	0.	0.767	12.	0.	6.185	2.487	0.	0.	3.7
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	30	278.5	263.9	345.	175.	2940.231	54.224	184.6	206.	304.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	30	63.	64.2	112.	28.	391.269	19.781	34.	54.25	78.5
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	30	15.5	15.	24.	8.	16.069	4.009	10.	11.75	18.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	30	45.5	45.933	68.	27.	152.616	12.354	28.1	36.75	57.25
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	30	0.2	0.247	0.4	0.1	0.006	0.078	0.2	0.2	0.3
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	30	301.5	300.033	392.	208.	3353.551	57.91	218.2	238.	351.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	11	318.	300.155	1000.	22.5	88765.581	297.936	25.	39.1	482.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	9	0.42	0.403	0.53	0.31	0.007	0.085	0.31	0.32	0.48
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	30	5.1	8.323	25.	1.1	52.416	7.24	1.55	2.475	16.25
71885	IRON (UG/L AS FE)	10/09/65-09/25/70	10	60.	113.	580.	0.	27756.667	166.603	5.	57.5	82.5
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	16	0.49	0.62	1.9	0.1	0.227	0.476	0.142	0.283	0.853

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	43	15.	12.884	24.	67.677	8.227	1.	4.	21.	23.	
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	48	316.	1262.854	20800.	27.	10147382.595	3185.496	28.9	124.	914.	3865.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	36	558.5	526.722	730.	239.	11602.835	107.716	363.9	445.25	602.5	647.6
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	12	9.3	8.95	14.	1.	11.703	3.421	2.2	7.95	11.5	13.46
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	12	90.5	88.333	105.	56.	212.061	14.562	59.6	83.	99.75	104.4
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	36	7.9	7.897	8.5	7.1	0.165	0.407	7.3	7.525	8.3	8.4
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	36	7.9	7.722	8.5	7.1	0.197	0.444	7.3	7.525	8.3	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	36	0.013	0.019	0.079	0.003	0.	0.017	0.004	0.005	0.03	0.05
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	36	211.5	203.222	292.	100.	2688.349	51.849	124.7	161.75	251.75	268.4
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	36	247.	243.972	356.	122.	4034.085	63.514	152.1	193.	304.5	327.
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	36	0.	1.889	16.	0.	14.159	3.763	0.	0.	4.	8.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	36	273.	263.722	374.	123.	3498.378	59.147	180.7	214.25	304.5	340.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	36	56.5	60.361	91.	22.	346.123	18.604	40.8	48.	78.5	88.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	36	16.	15.083	22.	4.	14.479	3.805	9.	14.	18.	20.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	36	44.	45.528	65.	17.	116.142	10.777	33.7	39.25	52.75	62.3
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	36	0.25	0.25	0.4	0.1	0.005	0.07	0.2	0.2	0.3	0.3
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/65-08/16/72	36	333.	318.333	438.	138.	4523.314	67.256	226.8	257.	359.5	405.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	36	281.	887.821	7750.	19.7	2449725.46	1565.16	25.45	156.	671.5	2860.01
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	36	0.45	0.433	0.6	0.19	0.008	0.091	0.307	0.35	0.49	0.549
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	36	8.75	10.122	22.	2.8	33.922	5.824	3.68	5.1	15.25	20.
71885	IRON (UG/L AS FE)	10/09/65-09/25/70	12	110.	111.667	170.	30.	2233.333	47.258	39.	67.5	157.5	170.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	36	0.31	0.323	0.64	0.02	0.033	0.183	0.107	0.158	0.523	0.579

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	45	15.	14.111	26.	74.453	8.629	1.6	6.	22.	25.	
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	44	210.	715.75	7610.	24.	2065624.564	1437.228	29.	52.5	635.75	1960.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	34	574.	537.618	712.	309.	11733.455	108.321	335.5	472.	613.25	641.5
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	12	9.1	10.008	14.2	6.6	7.412	2.722	6.78	7.45	13.25	14.02
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	12	90.5	91.333	128.	69.	228.606	15.12	71.1	80.5	99.5	119.6
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	34	7.7	7.785	8.6	7.1	0.161	0.401	7.2	7.5	8.1	8.35
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	34	7.7	7.623	8.6	7.1	0.188	0.434	7.2	7.5	8.1	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	34	0.02	0.024	0.079	0.003	0.	0.021	0.004	0.008	0.032	0.063
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	34	215.	201.5	261.	98.	2401.348	49.004	115.5	175.75	236.	253.5
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	34	256.	242.824	318.	120.	3513.241	59.273	141.	214.5	288.	306.
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	34	0.	1.471	16.	0.	16.802	4.099	0.	0.	0.	7.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	34	288.	266.	355.	138.	3432.848	58.591	160.	230.	308.5	316.5
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	34	64.5	64.265	94.	30.	218.504	14.782	46.	52.	80.	81.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	34	17.	16.735	31.	7.	27.291	5.224	9.5	13.75	20.5	23.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	34	49.	47.971	66.	26.	110.151	10.495	30.5	43.75	55.75	62.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	34	0.3	0.288	0.6	0.2	0.008	0.088	0.2	0.2	0.3	0.4
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	34	344.	326.176	424.	190.	4038.877	63.552	223.	278.5	371.5	399.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	34	212.5	570.413	3900.01	23.1	815287.777	902.933	30.85	50.625	612.75	2015.01
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	34	0.47	0.444	0.58	0.26	0.007	0.086	0.3	0.375	0.502	0.54
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	34	13.5	12.935	31.	2.7	63.263	7.954	3.1	4.275	19.25	23.5
71885	IRON (UG/L AS FE)	10/09/65-09/25/70	11	90.	108.182	200.	30.	2436.364	49.36	38.	80.	130.	196.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	34	0.325	0.411	1.5	0.	0.131	0.363	0.09	0.15	0.55	1.01

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	38	18.75	15.421	26.5	0.	85.696	9.257	1.	6.75	23.625	25.
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	38	366.	1084.816	12300.	29.	4744498.154	2178.187	42.7	144.	771.25	3485.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	29	558.	521.345	722.	308.	11609.52	107.747	338.	430.	586.	620.
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	9	9.4	9.389	14.6	3.6	11.344	3.368	3.6	6.95	12.	14.6
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	9	96.	91.222	128.	43.	579.194	24.066	43.	77.	104.5	128.
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	27	7.9	7.889	8.6	7.1	0.136	0.369	7.44	7.6	8.2	8.32
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	27	7.9	7.733	8.6	7.1	0.162	0.402	7.44	7.6	8.2	8.32
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	27	0.013	0.018	0.079	0.003	0.	0.018	0.005	0.006	0.025	0.038
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	27	198.	184.074	273.	106.	2133.994	46.195	120.	138.	221.	233.
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	27	242.	221.815	294.	129.	2853.157	53.415	146.	168.	266.	284.2
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	27	0.	1.333	20.	0.	18.538	4.306	0.	0.	0.	7.4
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	27	264.	249.963	362.	134.	3028.729	55.034	165.4	211.	286.	306.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	27	72.	65.741	88.	28.	346.584	18.617	38.8	46.	82.	86.4
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	27	19.	18.63	37.	7.	41.165	6.416	9.	16.	21.	26.6
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	27	51.	50.185	72.	25.	122.541	11.07	32.2	43.	59.	61.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	27	0.3	0.326	0.6	0.2	0.011	0.106	0.2	0.3	0.4	0.52
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	27	326.	309.407	430.	182.	3761.174	61.328	205.6	258.	352.	376.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	27	357.	908.504	6040.	25.5	1917320.23	1384.673	38.2	116.	855.	2804.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	27	0.44	0.42	0.58	0.25	0.007	0.083	0.278	0.35	0.48	0.512
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	27	12.	10.648	19.	2.8	28.156	5.306	3.14	5.1	15.	18.
71885	IRON (UG/L AS FE)	10/09/65-09/25/70	9	120.	136.667	360.	60.	8075.	89.861	60.	85.	150.	360.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	27	0.33	0.417	1.2	0.04	0.09	0.3	0.096	0.21	0.48	0.898

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	5	9.	14.3	26.	7.	80.95	8.997	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	6	257.5	1300.167	6110.	128.	5629088.967	2372.57	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	7	491.	492.857	595.	322.	7807.143	88.358	**	**	**	**
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	5	8.	8.02	8.3	7.6	0.072	0.268	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	5	8.	7.947	8.3	7.6	0.079	0.28	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	5	0.01	0.011	0.025	0.005	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	1	209.	209.	209.	209.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	1	255.	255.	255.	255.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	5	260.	264.	300.	230.	730.	27.019	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/09/65-06/13/77	5	17.	16.8	19.	15.	2.2	1.483	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	5	37.	41.8	54.	34.	70.7	8.408	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/65-08/16/72	1	276.	276.	276.	276.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	1	125.	125.	125.	125.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	5	5.5	7.36	14.	2.6	28.363	5.326	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	6	16.5	17.25	28.	8.5	43.675	6.609	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	6	486.5	485.667	573.	355.	7123.067	84.398	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	3	8.5	8.067	8.5	7.2	0.563	0.751	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	3	8.5	7.636	8.5	7.2	0.842	0.918	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	3	0.003	0.023	0.063	0.003	0.001	0.035	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	1	177.	177.	177.	177.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	1	201.	201.	201.	201.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	3	230.	236.667	310.	170.	4933.333	70.238	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/09/65-06/13/77	3	16.	20.667	35.	11.	160.333	12.662	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	3	39.	39.333	48.	31.	72.333	8.505	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/09/65-08/16/72	1	268.	268.	268.	268.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	1	47.8	47.8	47.8	47.8	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	3	3.4	8.867	20.	3.2	92.973	9.642	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	6	16.25	13.25	23.	0.5	93.875	9.689	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	6	565.	544.833	582.	461.	2012.167	44.857	**	**	**	**
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	5	8.1	8.16	8.6	7.9	0.068	0.261	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	5	8.1	8.109	8.6	7.9	0.071	0.267	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	5	0.008	0.008	0.013	0.003	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	2	237.	237.	237.	237.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	2	289.	289.	289.	289.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	3	290.	293.333	310.	280.	233.333	15.275	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	5	17.	17.4	19.	16.	1.3	1.14	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	5	49.	49.	53.	46.	9.5	3.082	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	2	18.	18.	19.	17.	2.	1.414	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	2	18.5	18.5	21.	16.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	2	471.	471.	472.	470.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	2	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	2	201.	201.	203.	199.	8.	2.828	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	2	245.	245.	248.	242.	18.	4.243	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	2	230.	230.	230.	230.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	2	28.	28.	28.	28.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	2	12.5	12.5	14.	11.	4.5	2.121	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	2	36.	36.	38.	34.	8.	2.828	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	1	232.	232.	232.	232.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	2	14.75	14.75	24.5	5.	190.125	13.789	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	2	407.5	407.5	480.	335.	10512.5	102.53	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	2	10.2	10.2	12.8	7.6	13.52	3.677	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	2	95.	95.	100.	90.	50.	7.071	**	**	**
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	2	7.75	7.75	7.8	7.7	0.005	0.071	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	2	7.747	7.747	7.8	7.7	0.005	0.071	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	2	0.018	0.018	0.02	0.016	0.	0.003	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	2	155.5	155.5	197.	114.	3444.5	58.69	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	2	189.5	189.5	240.	139.	5100.5	71.418	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	2	0.	0.	0.	0.	0.	0.	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	2	185.	185.	230.	140.	4050.	63.64	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	2	31.	31.	33.	29.	8.	2.828	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	2	11.	11.	12.	10.	2.	1.414	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	2	27.	27.	27.	27.	0.	0.	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	2	1337.57	1337.57	2670.	5.14	3550739.41	1884.341	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	2	0.28	0.28	0.33	0.23	0.005	0.071	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	2	18.5	18.5	25.5	11.5	98.	9.899	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	2	470.	470.	505.	435.	2450.	49.497	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	2	9.8	9.8	9.9	9.7	0.02	0.141	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	2	105.	105.	120.	90.	450.	21.213	**	**	**	**
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	2	8.2	8.2	8.3	8.1	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	2	8.189	8.189	8.3	8.1	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	2	0.006	0.006	0.008	0.005	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	2	193.5	193.5	215.	172.	924.5	30.406	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	2	236.	236.	262.	210.	1352.	36.77	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	2	235.	235.	260.	210.	1250.	35.355	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	2	45.	45.	49.	41.	32.	5.657	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	2	15.	15.	15.	15.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	2	40.	40.	46.	34.	72.	8.485	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	2	284.6	284.6	488.	81.2	82743.12	287.651	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	2	0.355	0.355	0.39	0.32	0.002	0.049	**	**	**	**

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Annual Analysis for 1977 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	2	18.	18.	22.5	13.5	40.5	6.364	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	2	564.5	564.5	569.	560.	40.5	6.364	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	2	10.25	10.25	10.6	9.9	0.245	0.495	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	2	105.	105.	110.	100.	50.	7.071	**	**	**	**
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	2	8.25	8.25	8.3	8.2	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	2	8.247	8.247	8.3	8.2	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	2	0.006	0.006	0.006	0.005	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	2	201.	201.	220.	182.	722.	26.87	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	2	243.	243.	264.	222.	882.	29.698	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	2	270.	270.	280.	260.	200.	14.142	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	2	66.5	66.5	75.	58.	144.5	12.021	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	2	21.	21.	22.	20.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	2	44.	44.	46.	42.	8.	2.828	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	2	178.3	178.3	286.	70.6	23198.58	152.311	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	2	0.39	0.39	0.41	0.37	0.001	0.028	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	34	18.	17.468	25.	6.	27.573	5.251	10.	13.	22.25	24.
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	35	32.	116.429	1150.	14.	57458.546	239.705	18.6	27.	43.	518.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/56-06/13/77	5	124.	144.8	334.	67.	12031.7	109.689	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	32	554.5	527.	629.	308.	6086.387	78.015	414.	472.	592.75	611.3
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	10	7.6	7.52	10.	5.	2.313	1.521	5.1	6.45	8.65	9.88
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	10	76.	77.4	105.	56.	184.711	13.591	57.1	68.5	85.	103.3
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	30	7.65	7.773	8.4	7.1	0.135	0.368	7.3	7.5	8.1	8.29
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	30	7.647	7.633	8.4	7.1	0.156	0.394	7.3	7.5	8.1	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	30	0.023	0.023	0.079	0.004	0.	0.019	0.005	0.008	0.032	0.05
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	23	230.	213.435	274.	106.	1912.53	43.732	153.8	174.	246.	261.6
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	30	282.5	262.467	334.	129.	2785.982	52.782	178.5	215.	304.5	317.6
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	30	0.	0.3	4.	0.	1.045	1.022	0.	0.	0.	0.9
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	29	280.	264.069	322.	134.	2439.138	49.388	198.	222.	304.5	316.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	29	49.	48.931	72.	28.	121.709	11.032	28.	42.	55.5	64.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	30	16.	15.967	22.	10.	7.757	2.785	12.1	14.	18.	20.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	30	43.	41.833	49.	25.	40.695	6.379	27.7	40.75	46.	48.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	29	0.2	0.234	0.4	0.1	0.004	0.061	0.2	0.2	0.3	0.3
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	27	326.	306.519	404.	196.	2980.952	54.598	225.2	260.	342.	369.2
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	22	34.25	86.832	370.	19.7	13146.722	114.659	22.68	25.4	69.275	333.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	21	0.44	0.415	0.55	0.27	0.006	0.078	0.31	0.35	0.475	0.53
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	27	3.2	3.581	7.5	1.1	2.485	1.577	1.38	2.7	4.4	6.16
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	22	0.15	0.326	1.3	0.02	0.107	0.327	0.044	0.108	0.533	0.841

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	62	4.	5.008	15.	0.	15.09	3.885	1.	1.	8.	10.7
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	83	582.	1838.554	13400.	27.	7678869.713	2771.077	106.6	230.	2700.	5868.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/56-06/13/77	12	3175.	4041.667	8670.	165.	11305710.606	3362.397	276.	970.	7615.	8670.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	63	563.	536.317	730.	313.	12164.93	110.295	361.8	444.	618.	659.2
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	17	12.2	11.094	14.6	1.	10.686	3.269	6.76	9.5	13.5	14.12
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	17	92.	89.118	100.	68.	120.36	10.971	68.8	81.5	99.5	100.
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	59	8.	7.886	8.6	6.9	0.167	0.409	7.4	7.6	8.2	8.4
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	59	8.	7.687	8.6	6.9	0.208	0.456	7.4	7.6	8.2	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	59	0.01	0.021	0.126	0.003	0.001	0.024	0.004	0.006	0.025	0.04
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	40	203.	198.225	292.	98.	2909.615	53.941	117.2	151.	241.25	265.5
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	55	244.	237.8	356.	120.	3869.978	62.209	146.4	182.	293.	310.8
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	55	0.	1.691	20.	0.	19.995	4.472	0.	0.	0.	7.4
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	58	276.5	269.931	374.	150.	3599.855	59.999	174.9	218.75	315.	342.3
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	55	80.	72.491	112.	22.	320.514	17.903	43.2	59.	85.	89.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	59	18.	18.136	37.	8.	29.257	5.409	11.	16.	20.	24.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	59	55.	51.966	72.	22.	137.137	11.711	33.	44.	61.	65.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	55	0.3	0.267	0.4	0.1	0.005	0.072	0.2	0.2	0.3	0.4
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	55	334.	324.218	438.	190.	4194.137	64.762	226.4	282.	381.	400.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	40	337.5	842.702	3900.01	25.1	1181925.377	1087.164	53.87	170.25	966.5	2786.009
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	40	0.45	0.443	0.6	0.26	0.008	0.089	0.32	0.383	0.52	0.567
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	58	12.	12.247	25.	1.5	41.112	6.412	3.34	7.15	18.	20.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	46	0.38	0.489	1.9	0.04	0.163	0.404	0.12	0.198	0.643	1.09

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/09/65-06/13/77	82	21.55	19.193	28.	4.	33.498	5.788	10.	15.75	23.6	25.
00060	FLOW, STREAM, MEAN DAILY CFS	12/12/59-09/23/71	84	363.	1362.119	20800.	28.	9573389.865	3094.09	58.5	146.75	942.	3710.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/56-06/13/77	25	3610.	5026.88	24500.	8.	31374509.193	5601.295	78.	484.5	8290.	11112.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/65-06/13/77	72	529.	503.944	722.	239.	9502.335	97.48	350.3	436.25	573.	599.2
00300	OXYGEN, DISSOLVED MG/L	10/09/65-06/13/77	27	9.2	9.219	14.2	3.6	4.227	2.056	7.12	7.9	10.1	12.16
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/09/65-06/13/77	27	96.	95.704	128.	43.	280.986	16.763	81.8	88.	103.	121.6
00400	PH (STANDARD UNITS)	10/09/65-06/13/77	70	7.9	7.893	8.6	7.1	0.151	0.388	7.31	7.6	8.2	8.4
00400	CONVERTED PH (STANDARD UNITS)	10/09/65-06/13/77	70	7.9	7.721	8.6	7.1	0.18	0.425	7.31	7.6	8.2	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/65-06/13/77	70	0.013	0.019	0.079	0.003	0.	0.018	0.004	0.006	0.025	0.049
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/01/66-06/13/77	56	202.	190.893	253.	100.	1751.479	41.851	122.4	163.75	220.	236.9
00440	BICARBONATE ION (MG/L AS HCO3)	10/09/65-06/13/77	65	242.	230.354	309.	122.	2480.232	49.802	148.8	196.	266.	289.2
00445	CARBONATE ION (MG/L AS CO3)	10/09/65-06/13/77	65	0.	1.292	16.	0.	10.21	3.195	0.	0.	0.	6.4
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	10/09/65-06/13/77	70	264.5	250.686	316.	123.	2652.682	51.504	168.2	206.5	294.	302.9
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	10/09/65-06/13/77	65	58.	58.2	88.	23.	254.162	15.942	34.	46.5	72.5	80.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/09/65-06/13/77	70	15.	14.971	35.	4.	24.144	4.914	9.	11.75	18.	20.9
00945	SULFATE, TOTAL (MG/L AS SO4)	10/09/65-06/13/77	70	46.	43.914	61.	17.	96.833	9.84	29.1	37.5	51.	56.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/09/65-06/13/77	64	0.3	0.295	0.6	0.1	0.011	0.103	0.2	0.2	0.3	0.4
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/09/65-08/16/72	58	325.	306.586	424.	138.	3821.475	61.818	219.8	255.5	358.	376.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/66-06/13/77	56	346.5	850.15	7750.	5.14	2149347.095	1466.065	54.17	125.25	619.	2509.007
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/66-06/13/77	55	0.44	0.415	0.58	0.19	0.008	0.088	0.292	0.35	0.49	0.51
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/09/65-03/27/73	63	11.	11.538	31.	2.	45.137	6.718	3.48	5.5	16.	21.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/09/65-08/16/72	52	0.355	0.385	1.2	0.	0.046	0.215	0.153	0.25	0.495	0.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0048

NPS Station ID: HOCU0048

Location: N FK PAINT CR UPST FRANKFORT WWTP- DAVIS HILL RD

Station Type: /TYPA/AMBNT/STREAM

RMI-Indexes: 1021500 007720 13190 1110 0080

RMI-Miles: 0953.80 0624.93 063.50 008.12 014.34

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003003

RF3 Index: 05060003000301.18

Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE IMPACT OF THE FRANKFORT WWTP ON THE NORTH FORK OF PAINT CREEK.
LOCATION - ROSS CO.; LOCATED AT THE DAVIS HILL RD., JUST UPSTREAM FROM THE FRANKFORT WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, SOUTHEAST DISTRICT OFFICE, (614) 385-8501. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.

LAT/LON: 39.398615/ -83.182504

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 1.940

RF3 Mile Point: 2.06

REMARKS - U.S.G.S. QUADRANGLE: FRANKFORT, OHIO

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V10S20

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.04

On/Off RF1: OFF

On/Off RF3:

Parameter Inventory for Station: HOCU0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/85-09/05/85	1	25.	25.	25.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/05/85-09/05/85	1	7.4	7.4	7.4	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/05/85-09/05/85	1	2.7	2.7	2.7	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/05/85-09/05/85	1 ##	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/05/85-09/05/85	1	0.3	0.3	0.3	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/05/85-09/05/85	1	1.17	1.17	1.17	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/05/85-09/05/85	1	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0048

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00								
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0049

NPS Station ID: HOCU0049 Location: PAINT CREEK S OF DILLS - END OF DILLS RD. Station Type: /TYPA/AMBNT/STREAM/BIO RMI-Indexes: 1021500 007720 13190 1110 RMI-Miles: 0953.80 0624.93 063.50 027.43 HUC: 05060003 Major Basin: OHIO RIVER Minor Basin: SCIOTO RIVER RF1 Index: 05060003 RF3 Index: 05060002092000.00 Description: PURPOSE - INTENSIVE SURVEY OF THE PAINT CREEK BASIN. OF DILLS; 2.6 MILES EAST OF BAINBRIDGE.	LAT/LON: 39.231115/ -83.215838 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.000 RF3 Mile Point: 0.11	Agency: 21OHIO FIPS State/County: 39141 OHIO/ROSS STORET Station ID(s): V10W14 Within Park Boundary: No Aquifer: Water Body Id: ECO Region: Distance from RF1: 6.30 Distance from RF3: 0.10	Date Created: 05/18/98 On/Off RF1: On/Off RF3:
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COLLECTION - SAMPLES COLLECTED BY THE OHIO EPA SOUTHEAST DISTRICT
 OFFICE. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY. U.S.G.S. QUADRANGLE - MORGANTOWN, OHIO

Parameter Inventory for Station: HOCU0049

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/97-09/25/97	5	22.	20.9	24.	14.5	14.395	3.794	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/23/97-09/25/97	5	465.	462.8	541.	395.	3195.2	56.526	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	5	501.	491.4	523.	426.	1436.3	37.899	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/97-09/25/97	5	7.2	7.88	12.2	6.3	6.037	2.457	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/97-09/25/97	5 ##	1.	1.46	2.3	1.	0.408	0.639	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/23/97-09/25/97	5	11.	11.6	18.	5.	23.3	4.827	**	**	**	**
00400	PH (STANDARD UNITS)	07/23/97-09/25/97	5	7.56	7.566	7.76	7.44	0.017	0.132	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/97-09/25/97	5	7.56	7.551	7.76	7.44	0.018	0.133	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/97-09/25/97	5	0.028	0.028	0.036	0.017	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	5	193.	186.4	206.	151.	435.3	20.864	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/97-09/25/97	5	12.	16.1	38.	2.5	190.55	13.804	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/97-09/25/97	5 ##	0.025	0.12	0.5	0.025	0.045	0.212	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/97-09/25/97	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/97-09/25/97	5	0.4	0.43	1.	0.05	0.132	0.363	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/97-09/25/97	5	2.17	1.94	2.71	1.02	0.494	0.703	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/97-09/03/97	4	0.13	0.136	0.26	0.025	0.01	0.099	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	5	3.4	3.24	4.1	2.3	0.458	0.677	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	5	257.	250.2	273.	201.	812.7	28.508	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	07/23/97-09/25/97	5	60.	57.4	65.	41.	89.3	9.45	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/97-09/25/97	5	26.	26.	27.	24.	1.5	1.225	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS Na)	07/23/97-09/25/97	5	7.	6.8	8.	6.	0.7	0.837	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/25/97	5	3.	2.4	3.	1.	0.8	0.894	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/23/97-09/25/97	5	14.	13.4	14.	12.	0.8	0.894	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/97-09/25/97	5	27.	28.6	33.	24.	14.3	3.782	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/05/97-09/25/97	4	0.2	0.198	0.29	0.1	0.006	0.078	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/97-09/25/97	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/23/97-09/25/97	5 ##	0.1	0.2	0.6	0.1	0.05	0.224	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/97-09/25/97	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/23/97-09/25/97	5 ##	1.	1.8	5.	1.	3.2	1.789	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/23/97-09/25/97	5	330.	488.6	1100.	276.	119428.8	345.585	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/23/97-09/25/97	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0049

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055 MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	5	45.	83.	245.	35.	8224.5	90.689	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/23/97-09/25/97	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/23/97-09/25/97	5 ##	5.	7.	10.	5.	7.5	2.739	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	5	281.	372.6	656.	240.	30970.8	175.985	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	90.	90.	100.	80.	200.	14.142	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	1.952	1.952	2.	1.903	0.005	0.069	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			89.443								
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/23/97-09/25/97	5	294.	291.2	306.	262.	327.2	18.089	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0049

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	2	0	0.00				3	0	0.00			
00400 PH	Fresh Chronic	9.	5	0	0.00	2	0	0.00				3	0	0.00			
	Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				3	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	2	0	0.00				3	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00				2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5.	5	0	0.00	2	0	0.00				3	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	1300.	5	0	0.00	2	0	0.00				3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	15.	5	0	0.00	2	0	0.00				3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5000.	5	0	0.00	2	0	0.00				3	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0050

NPS Station ID: HOCU0050
 Location: PAINT CREEK N OF BAINBRIDGE - S.R. 41
 Station Type: /TYPA/AMBNT/STREAM/BIO
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.93 063.50 031.67
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060002007802.73
 Description:
 PURPOSE - INTENSIVE SURVEY OF PAINT CREEK.
 OF BAINBRIDGE.
 DISTRICT OFFICE.

LAT/LON: 39.235003/ -83.275003

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 3.78

Agency: 21OHIO
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): V10S28
 Within Park Boundary: No

Date Created: 12/16/89

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.01

On/Off RF1:
 On/Off RF3:

LOCATION - ROSS CO.: LOCATED AT THE ST. RT. 41 BRIDGE, JUST NORTH
 COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, CENTRAL
 U.S.G.S. QUADRANGLE: BAINBRIDGE, OHIO

Parameter Inventory for Station: HOCU0050

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/89-09/25/97	9	23.8	21.978	24.2	15.6	9.507	3.083	15.6	19.95	24.	24.2
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/19/89-09/25/97	9	455.	449.444	540.	360.	2838.528	53.278	360.	409.	480.	540.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	5	471.	463.6	484.	428.	463.3	21.524	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/19/89-09/25/97	9	8.1	8.644	13.8	7.3	4.008	2.002	7.3	7.55	8.75	13.8
00310 BOD, 5 DAY, 20 DEG C MG/L	07/19/89-09/25/97	9	1.5	1.578	3.	0.5	0.637	0.798	0.5	1.	2.2	3.
00340 COD, .25N K2CR2O7 MG/L	07/19/89-09/25/97	9 ##	10.	10.889	19.	5.	20.611	4.54	5.	7.5	14.5	19.
00400 PH (STANDARD UNITS)	07/19/89-09/25/97	9	7.91	7.947	8.6	7.45	0.132	0.364	7.45	7.63	8.19	8.6
00400 CONVERTED PH (STANDARD UNITS)	07/19/89-09/25/97	9	7.91	7.825	8.6	7.45	0.149	0.386	7.45	7.63	8.19	8.6
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/89-09/25/97	9	0.012	0.015	0.035	0.003	0.	0.011	0.003	0.007	0.025	0.035
00403 PH, LAB, STANDARD UNITS SU	08/18/89-08/18/89	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	08/18/89-08/18/89	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/89-08/18/89	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	5	180.	144.4	189.	19.	5128.8	71.616	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/19/89-09/25/97	9	14.	17.556	37.	5.	123.278	11.103	5.	9.5	26.5	37.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/89-09/25/97	9 ##	0.025	0.097	0.5	0.025	0.024	0.156	0.025	0.025	0.1	0.5
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	07/19/89-09/25/97	5	0.04	0.064	0.14	0.01	0.003	0.051	**	**	**	**
00625 NITROGEN, KjELDAHL, TOTAL, (MG/L AS N)	07/19/89-09/25/97	9	0.48	0.498	1.1	0.1	0.07	0.265	0.1	0.4	0.55	1.1
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	07/19/89-09/25/97	9	1.62	1.878	4.68	0.16	1.519	1.233	0.16	1.35	2.33	4.68
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/19/89-09/03/97	8	0.075	0.094	0.29	0.025	0.007	0.082	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/03/97	3	3.5	3.7	4.3	3.3	0.28	0.529	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/19/89-09/25/97	9	240.	236.222	254.	199.	316.694	17.796	199.	225.	251.5	254.
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/19/89-09/25/97	9	53.	52.667	59.	40.	36.75	6.062	40.	49.	58.	59.
00927 MAGNESIUM, TOTAL (MG/L AS Mg)	07/19/89-09/25/97	9	25.	25.444	28.	23.	2.278	1.509	23.	24.5	26.5	28.
00929 SODIUM, TOTAL (MG/L AS Na)	07/23/97-09/25/97	5	6.	6.4	8.	5.	1.3	1.14	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	08/19/97-09/25/97	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/19/89-09/25/97	7	14.	14.143	18.	11.	5.81	2.41	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/23/97-09/25/97	5	27.	26.8	33.	20.	21.7	4.658	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	07/23/97-09/25/97	5	0.2	0.228	0.34	0.1	0.009	0.094	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/19/89-09/25/97	7 ##	1.	1.286	3.	1.	0.571	0.756	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS Cd)	07/19/89-09/25/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/19/89-09/25/97	9 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0050

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042 COPPER, TOTAL (UG/L AS CU)	07/19/89-09/25/97	9 ##	5.	4.	5.	1.	3.	1.732	1.	2.5	5.	5.
01045 IRON, TOTAL (UG/L AS FE)	07/19/89-09/25/97	9	547.	729.778	2220.	127.	388317.444	623.151	127.	339.	936.5	2220.
01051 LEAD, TOTAL (UG/L AS PB)	07/19/89-09/25/97	9 ##	1.	1.222	3.	1.	0.444	0.667	1.	1.	1.	3.
01055 MANGANESE, TOTAL (UG/L AS MN)	07/23/97-09/25/97	5	55.	90.2	258.	36.	8864.2	94.15	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	07/19/89-09/25/97	9 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092 ZINC, TOTAL (UG/L AS ZN)	07/19/89-09/25/97	9 ##	5.	7.778	25.	5.	44.444	6.667	5.	5.	7.5	25.
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	5	398.	354.8	527.	100.	27005.7	164.334	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	5 ##	1.	0.82	1.	0.1	0.162	0.402	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/19/89-08/27/97	6	55.	67.5	160.	5.	3777.5	61.461	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/19/89-08/27/97	6	1.739	1.577	2.204	0.699	0.361	0.601	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/19/89-08/27/97	6	1.739	1.577	2.204	0.699	0.361	0.601	**	**	**	**
31679 FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	07/19/89-10/03/89	3	580000.	2212666.667	6000000.	58000.	*****	3290295.022	**	**	**	**
31679 LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	07/19/89-10/03/89	3	5.763	5.768	6.778	4.763	1.015	1.007	**	**	**	**
31679 GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	07/19/89-10/03/89	3	5.763	5.768	6.778	4.763	1.015	1.007	**	**	**	**
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/18/89-10/03/89	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/19/89-09/25/97	8	284.5	291.875	370.	252.	1512.125	38.886	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0050

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	9	0	0.00	4	0	0.00				5	0	0.00			
00400 PH	Fresh Chronic	9.	9	0	0.00	4	0	0.00				5	0	0.00			
	Other-Lo Lim.	6.5	9	0	0.00	4	0	0.00				5	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	3	0	0.00				2	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	4	0	0.00				5	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	250.	7	0	0.00	3	0	0.00				4	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	2	0	0.00				3	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	3	0	0.00				4	0	0.00			
	Drinking Water	50.	7	0	0.00	3	0	0.00				4	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	4	0	0.00				5	0	0.00			
	Drinking Water	5.	9	0	0.00	4	0	0.00				5	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	4	0	0.00				5	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	9	0	0.00	4	0	0.00				5	0	0.00			
	Drinking Water	1300.	9	0	0.00	4	0	0.00				5	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	4	0	0.00				5	0	0.00			
	Drinking Water	15.	9	0	0.00	4	0	0.00				5	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	4	0	0.00				5	0	0.00			
	Drinking Water	100.	9	0	0.00	4	0	0.00				5	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	4	0	0.00				5	0	0.00			
	Drinking Water	5000.	9	0	0.00	4	0	0.00				5	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	0	0.00	2	0	0.00				4	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0051

NPS Station ID: HOCU0051 LAT/LON: 39.234449/ -83.340559

Location: PAINT CREEK DST CONFL ROCKY FORK - FORGE RD.

Station Type: /TYPA/AMBNT/STREAM/BIO

RMI-Indexes: 1021500 007720 13190 1110

RMI-Miles: 0953.80 0624.93 063.50 036.94

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003

RF3 Index: 05060002092000.00

Description:

PURPOSE - INTENSIVE SURVEY OF THE PAINT CREEK BASIN.

FROM THE CONFLUENCE OF ROCKY FORK, 3.5 MILES WEST OF BAINBRIDGE.

OFFICE. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.11

Agency: 21OHIO

FIPS State/County: 39141 OHIO/ROSS

STORET Station ID(s): V10W15

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 6.30

Distance from RF3: 0.10

Date Created: 05/18/98

On/Off RF1:

On/Off RF3:

LOCATION - ROSS CO.; LOCATED AT THE FORGE RD. BRIDGE, JUST DOWNSTREAM
COLLECTION - SAMPLES COLLECTED BY THE OHIO EPA SOUTHEAST DISTRICT
U.S.G.S. QUADRANGLE - BAINBRIDGE, OHIO

Parameter Inventory for Station: HOCU0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/97-09/25/97	5	22.2	18.96	23.8	11.9	28.873	5.373	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/23/97-09/25/97	5	420.	404.2	439.	330.	1955.7	44.223	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/97-09/25/97	5	436.	437.	470.	400.	918.	30.299	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/97-09/25/97	5	7.4	8.46	13.8	6.5	9.223	3.037	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	07/23/97-09/25/97	5 ##	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	07/23/97-09/25/97	5 ##	5.	6.2	11.	5.	7.2	2.683	**	**	**	**
00400 PH (STANDARD UNITS)	07/23/97-09/25/97	5	7.65	7.874	9.13	7.08	0.604	0.777	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/23/97-09/25/97	5	7.65	7.53	9.13	7.08	0.752	0.867	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/97-09/25/97	5	0.022	0.03	0.083	0.001	0.001	0.032	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	5	175.	167.4	177.	144.	194.3	13.939	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/97-09/25/97	5	8.	8.4	19.	2.5	46.175	6.795	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/97-09/25/97	5	0.08	0.175	0.45	0.025	0.033	0.182	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/97-09/25/97	5	0.4	0.436	0.8	0.1	0.074	0.273	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/97-09/25/97	5	2.	1.678	2.63	0.41	1.037	1.018	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/23/97-09/25/97	5	0.061	0.083	0.18	0.025	0.003	0.059	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/97-09/25/97	4	3.6	3.625	4.5	2.8	0.483	0.695	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	07/23/97-09/25/97	5	215.	216.	243.	181.	619.	24.88	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	07/23/97-09/25/97	5	48.	48.6	56.	38.	53.8	7.335	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS Mg)	07/23/97-09/25/97	5	23.	23.	25.	21.	2.5	1.581	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	07/23/97-09/25/97	5	6.	6.2	7.	5.	0.7	0.837	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	07/23/97-09/25/97	5	3.	2.6	3.	2.	0.3	0.548	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	07/23/97-09/25/97	5	12.	11.6	13.	10.	2.3	1.517	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	07/23/97-09/25/97	5	24.	23.8	29.	20.	15.2	3.899	**	**	**	**
00951 FLUORIDE, TOTAL (MG/L AS F)	07/23/97-09/25/97	5	0.2	0.224	0.32	0.1	0.008	0.089	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	07/23/97-09/25/97	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS Cd)	07/23/97-09/25/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS Cr)	07/23/97-09/25/97	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS Cu)	07/23/97-09/25/97	5 ##	1.	1.8	5.	1.	3.2	1.789	**	**	**	**
01045 IRON, TOTAL (UG/L AS Fe)	07/23/97-09/25/97	5	324.	307.	545.	129.	27551.5	165.986	**	**	**	**
01051 LEAD, TOTAL (UG/L AS Pb)	07/23/97-09/25/97	5 ##	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS Mn)	07/23/97-09/25/97	5	81.	98.4	197.	26.	4114.3	64.143	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067 NICKEL, TOTAL (UG/L AS NI)	07/23/97-09/25/97	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	07/23/97-09/25/97	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/23/97-09/25/97	5	250.	245.4	425.	100.	21480.8	146.563	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/23/97-09/25/97	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	30.	30.	40.	20.	200.	14.142	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	1.452	1.452	1.602	1.301	0.045	0.213	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/31/97-08/27/97	2	1.452	1.452	1.602	1.301	0.045	0.213	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	07/23/97-09/25/97	5	242.	255.2	288.	238.	515.2	22.698	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/23/97-09/25/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0051

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	2	0	0.00				3	0	0.00			
00400 PH	Fresh Chronic	9.	5	1	0.20	2	1	0.50				3	0	0.00			
	Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00				3	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	2	0	0.00				3	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	2	0	0.00				3	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5.	5	0	0.00	2	0	0.00				3	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	1300.	5	0	0.00	2	0	0.00				3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	15.	5	0	0.00	2	0	0.00				3	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	5000.	5	0	0.00	2	0	0.00				3	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	50.	5	0	0.00	2	0	0.00				3	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0052

NPS Station ID: HOCU0052
Location: PAINT CK OF SCIOTO RIVER OH
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes: 1021500 007720 13190 1110
RMI-Miles: 0953.80 0624.60 063.80 033.49
HUC: 05060003
Major Basin: OHIO RIVER
Minor Basin: SCIOTO RIVER
RF1 Index: 05060003023
RF3 Index: 05060003003006.65
Description:
LOCATED ON PAINT CK OF SCIOTO RIVER BELOW ROCKY FORK, STATION IS AT THE RAPID FORGE ROAD BRIDGE SOUTH OF FALLS ROAD. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON FTS9245694 BAINBRIDGE OHIO QUAD.

LAT/LON: 39.234449/ -83.340503

Agency: 11COEHUN
FIPS State/County: 39071 OHIO/HIGHLAND
STORET Station ID(s): 1PCSW0021
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.01

Date Created: 12/06/80

On/Off RF1: ON
On/Off RF3:

Depth of Water: 5
Elevation: 0

RF1 Mile Point: 5.670
RF3 Mile Point: 6.83

Parameter Inventory for Station: HOCU0052

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/28/80-08/26/80	5	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/80-08/26/80	5	21.	19.76	23.6	11.9	22.793	4.774	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/24/80-08/26/80	2	20.5	20.5	21.	20.	0.5	0.707	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/80-08/26/80	5	260.	258.	290.	230.	770.	27.749	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/80-07/29/80	3	360.	328.333	375.	250.	4658.333	68.252	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/80-08/26/80	5	7.6	9.7	17.1	7.5	17.415	4.173	**	**	**
00400	PH (STANDARD UNITS)	04/28/80-08/26/80	5	8.1	8.06	8.8	7.4	0.268	0.518	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/28/80-08/26/80	5	8.1	7.845	8.8	7.4	0.326	0.571	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/80-08/26/80	5	0.008	0.014	0.04	0.002	0.	0.015	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0052

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00						5	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00						5	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00						5	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0053

NPS Station ID: HOCU0053
 Location: Outflow of Paint Creek Lake
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 035.74
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060003002504.68
 Description:

LAT/LON: 39.251948/ -83.346115

Depth of Water: 5
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 5.91

Agency: 11COEHUN
 FIPS State/County: 39071 OHIO/HIGHLAND
 STORET Station ID(s): 1PCS0W0001
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.07

On/Off RF1:
 On/Off RF3:

LOCATED ON PAINT CREEK 1.06 MILES BELOW DAM AND 35.74 MILES ABOVE MOUTH RECORD BEGINS SUMMER 1973 GRAB SAMPLED MONTHLY BY ARMY CORPS OF ENGI- NE
 ERS HUNTINGTON WV FOR THE PREIMPOUNDMENT SPECIAL STUDY, SANITARY STUDY FOR THE PAINT CREEK RESERVOIR. 304-529-5694 South Salem OH Quad. HIGH
 LAND COUNTY

Parameter Inventory for Station: HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	181	0.	0.017	2.	0.	0.028	0.166	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	132	20.2	17.949	27.9	1.1	42.966	6.555	7.28	13.625	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/19/74-11/19/96	88	21.	19.761	35.	-2.	76.896	8.769	6.	14.	25.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	08/19/74-06/12/75	3	61.	62.	100.	25.	1407.	37.51	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/26/73-07/26/73	1	180.	180.	180.	180.	0.	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/19/74-06/12/75	2	16.5	16.5	20.	13.	24.5	4.95	**	**	**
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/19/74-08/09/79	24	6.9	14.713	106.	1.	493.475	22.214	2.7	3.475	16.75
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/29/76-07/29/76	1	25.	25.	25.	25.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/20/76-07/01/91	39	272.	233.769	355.	25.	10140.814	100.702	46.	215.	302.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	133	502.	491.947	720.	6.	9829.474	99.144	409.4	449.	549.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	131	8.4	8.797	16.8	2.9	4.747	2.179	6.42	7.3	9.9
00400p	PH (STANDARD UNITS)	07/26/73-11/19/96	131	7.7	7.677	8.8	6.1	0.217	0.465	7.1	7.4	8.
00400p	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	131	7.7	7.374	8.8	6.1	0.309	0.556	7.1	7.4	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	131	0.02	0.042	0.794	0.002	0.008	0.088	0.005	0.01	0.04
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/26/73-11/19/96	107	181.	181.841	514.	17.	4716.833	68.679	90.	148.	215.
00435	ACIDITY, TOTAL (MG/L AS CaCO3)	07/26/73-07/26/73	1	16.	16.	16.	16.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/26/73-10/29/96	102	359.5	363.52	546.	112.	5107.975	71.47	284.6	316.75	412.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/16/75-04/12/78	16	113.5	140.063	365.	77.	5159.929	71.833	83.3	102.5	156.75
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	04/28/81-10/29/96	68	320.5	324.059	464.	58.	6381.191	79.882	232.8	282.25	385.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/73-10/29/96	100	20.	33.2	284.	2.	1642.298	40.525	5.	11.	40.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/73-10/29/96	101	0.2	0.359	2.26	0.01	0.187	0.432	0.05	0.05	0.5
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/26/73-08/22/73	2	5.55	5.55	8.8	2.3	21.125	4.596	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	02/20/96-05/15/96	5	0.15	0.146	0.31	0.03	0.011	0.104	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/73-10/29/96	108	0.8	0.983	6.9	0.05	0.712	0.844	0.199	0.513	1.3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/73-10/29/96	100	3.35	3.677	13.	0.025	7.767	2.787	0.31	1.025	5.878
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/73-10/29/96	104	0.1	0.111	0.66	0.005	0.01	0.1	0.005	0.046	0.15
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/26/73-10/29/96	76	0.03	0.046	0.31	0.005	0.003	0.051	0.005	0.006	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/81-10/29/96	50	4.25	5.212	15.5	0.5	11.164	3.341	2.	2.775	7.05
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	02/20/96-05/15/96	6	4.4	4.483	7.8	0.5	6.954	2.637	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	07/26/73-09/04/96	94	238.	238.138	476.	46.	3269.282	57.178	173.5	214.	266.
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	04/28/81-07/24/90	22	42.5	41.159	69.	4.	247.769	15.741	10.3	37.25	50.775

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916	CALCIUM, TOTAL (MG/L AS CA)	06/19/74-09/04/96	87	48.4	50.062	110.	12.	288.821	16.995	33.4	40.6	57.	69.52
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/81-07/24/90	22	20.5	17.695	31.	2.	81.169	9.009	4.63	8.95	25.25	28.8
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/16/75-09/04/96	80	25.05	25.244	49.	4.	69.505	8.337	9.83	22.25	30.	33.9
00929	SODIUM, TOTAL (MG/L AS NA)	04/16/75-09/04/96	80	7.4	7.8	19.	1.	9.639	3.105	4.1	6.	9.375	11.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/81-07/24/90	22	6.	5.591	8.8	1.	3.776	1.943	2.3	4.825	7.	8.35
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/81-07/24/90	22	2.	1.555	4.	0.5	0.856	0.925	0.5	0.5	2.	2.57
00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	70	2.35	2.886	12.4	0.5	3.97	1.992	1.	1.975	3.425	5.
00940	CHLORIDE, TOTAL IN WATER MG/L	06/19/74-09/04/96	100	21.5	21.975	60.	2.	73.517	8.574	12.1	16.	28.	31.8
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/73-09/04/96	100	40.	39.075	86.	2.5	159.31	12.622	22.	31.5	47.	52.
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/19/74-11/05/75	10 ##	10.	8.	10.	2.5	10.833	3.291	2.5	4.375	10.	10.
01002	ARSENIC, TOTAL (UG/L AS AS)	06/03/85-09/04/96	11 ##	1.	2.273	8.	0.5	5.518	2.349	0.5	0.5	4.	7.2
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/28/81-08/12/91	17	40.	37.559	60.	0.5	327.559	18.099	4.1	23.5	52.	59.2
01007	BARIUM, TOTAL (UG/L AS BA)	05/27/81-05/17/89	37	50.	51.919	95.	27.	184.021	13.565	38.	40.	60.	70.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/28/81-09/11/84	16 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/27/81-05/17/89	37 ##	0.5	4.757	71.	0.5	149.314	12.219	0.5	0.5	5.	5.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-08/10/82	22 ##	25.	17.432	25.	0.5	129.007	11.358	0.5	2.375	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/19/74-09/04/96	45 ##	25.	15.264	50.	0.1	174.003	13.191	0.34	0.5	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/76-08/10/82	26 ##	25.	18.481	25.	0.5	120.11	10.959	0.5	2.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/16/75-09/04/96	43 ##	25.	14.64	25.	0.5	140.301	11.845	0.5	0.5	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/76-08/10/82	9 ##	25.	20.389	25.	2.5	84.486	9.192	2.5	15.5	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	06/19/74-09/04/96	33 ##	25.	16.106	25.	2.	114.231	10.688	2.2	2.5	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	06/19/74-10/29/96	98	703.5	941.857	4055.	100.	574955.814	758.258	255.9	400.	1315.	1813.
01046	IRON, DISSOLVED (UG/L AS FE)	04/16/75-10/29/96	68 ##	50.	63.199	374.	2.5	5505.135	74.197	2.5	50.	50.	128.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/76-08/10/82	8 ##	25.	19.25	25.	1.	113.643	10.66	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/19/74-09/04/96	33 ##	25.	14.924	25.	0.5	142.252	11.927	1.	1.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/19/74-10/29/96	98	87.	181.031	1250.	5.	50777.164	225.338	23.6	40.	240.	469.8
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/75-10/29/96	68	41.	151.007	1110.	0.5	55171.802	234.887	5.	11.25	198.25	511.5
01057	THALLIUM, DISSOLVED (UG/L AS TL)	04/28/81-05/11/82	7	200.	221.714	500.	50.	29133.905	170.687	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	05/27/81-05/11/82	6	245.	231.667	500.	50.	29416.667	171.513	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/25/81-08/10/82	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/74-09/04/96	25 ##	10.	15.6	75.	2.5	260.563	16.142	2.5	2.5	25.	25.
01077	SILVER, TOTAL (UG/L AS AG)	04/16/75-11/05/75	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/76-09/11/84	37 ##	50.	44.595	270.	25.	1651.914	40.644	25.	25.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	02/03/75-09/04/96	67 ##	25.	38.537	165.	2.5	804.972	28.372	25.	25.	50.	50.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	04/28/81-09/11/84	16 ##	50.	53.125	100.	50.	156.25	12.5	50.	50.	50.	65.
01097	ANTIMONY, TOTAL (UG/L AS SB)	04/28/81-05/17/89	32 ##	50.	60.938	200.	50.	1408.77	37.534	50.	50.	50.	85.
01102	TIN, TOTAL (UG/L AS SN)	04/16/75-11/05/75	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/20/76-09/04/96	48	390.	601.813	2170.	80.	280997.985	530.092	129.	232.5	760.	1487.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/20/76-09/11/84	23 ##	170.	202.957	1420.	25.	80800.134	284.254	25.	25.	250.	293.8
01147	SELENIUM, TOTAL (UG/L AS SE)	08/26/85-08/04/86	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/12/78-11/19/96	89	13.53	16.101	89.02	0.5	172.896	13.149	3.5	6.73	21.635	29.42
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	84	8.035	10.618	34.92	0.5	72.987	8.543	1.7	3.758	15.19	22.275
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/12/78-11/19/96	79 ##	0.5	1.293	6.47	0.5	1.401	1.184	0.5	0.5	1.89	2.55
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	84	5.985	8.599	110.31	0.5	152.838	12.363	1.87	3.97	10.473	14.54
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/12/78-11/19/96	84	1.4	1.367	1.6	1.	0.02	0.143	1.2	1.3	1.5	1.5
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	09/16/73-09/16/73	1	406.	406.	406.	406.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/22/76-08/09/83	18	2.55	2.994	10.	0.5	9.843	3.137	0.5	0.5	4.375	8.65
71900	MERCURY, TOTAL (UG/L AS HG)	06/19/74-08/09/83	27	2.9	3.663	10.	0.5	8.627	2.937	0.5	0.5	6.3	8.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0053

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	1.00							1	1	1.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	24	0.04	6	0	0.00	3	0	0.00	15	1	0.07			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	131	0.01	26	0	0.00	15	0	0.00	90	1	0.01			
00400	PH	Fresh Chronic	9.	131	0.00	25	0	0.00	15	0	0.00	91	0	0.00			
		Other-Lo Lim.	6.5	131	0.03	25	0	0.00	15	0	0.00	91	4	0.04			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

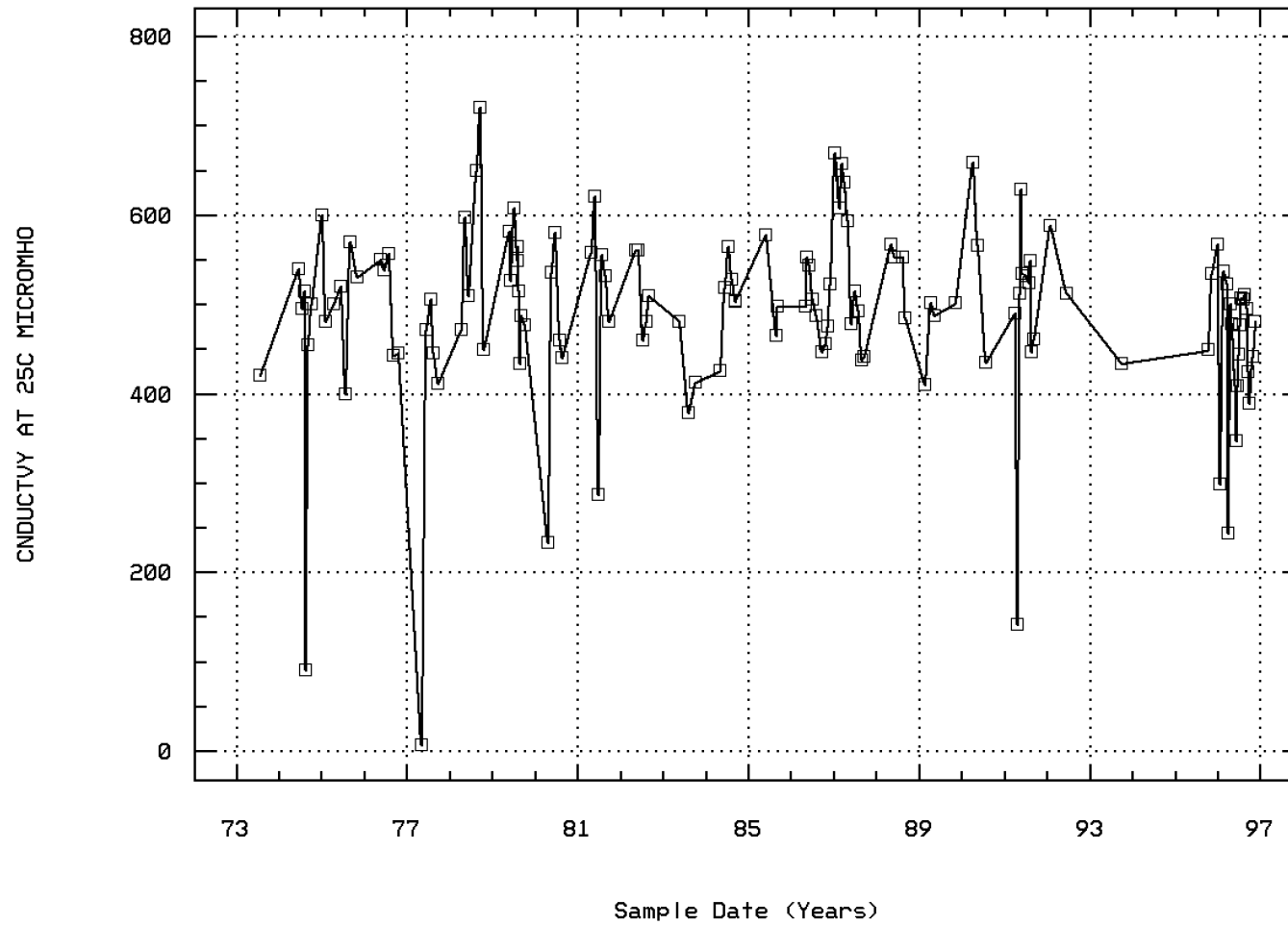
EPA Water Quality Criteria Analysis for Station: HOCU0053

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00620	NITRATE NITROGEN, TOTAL AS N	10.	2	0	0.00							2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	10.	100	2	0.02	22	0	0.00	12	0	0.00	66	2	0.03			
00940	CHLORIDE, TOTAL IN WATER	860.	100	0	0.00	20	0	0.00	7	0	0.00	73	0	0.00			
	Fresh Acute	250.	100	0	0.00	20	0	0.00	7	0	0.00	73	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	250.	100	0	0.00	19	0	0.00	8	0	0.00	73	0	0.00			
00997	ARSENIC, INORGANIC TOT	360.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
	Fresh Acute	50.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
01002	ARSENIC, TOTAL	360.	11	0	0.00	1	0	0.00				10	0	0.00			
	Fresh Acute	50.	11	0	0.00	1	0	0.00				10	0	0.00			
01005	BARIUM, DISSOLVED	2000.	17	0	0.00	3	0	0.00				14	0	0.00			
01007	BARIUM, TOTAL	2000.	37	0	0.00	6	0	0.00	5	0	0.00	26	0	0.00			
01010	BERYLLIUM, DISSOLVED	130.	16	0	0.00	3	0	0.00				13	0	0.00			
	Fresh Acute	4.	16	0	0.00	3	0	0.00				13	0	0.00			
01012	BERYLLIUM, TOTAL	130.	37	0	0.00	6	0	0.00	5	0	0.00	26	0	0.00			
	Fresh Acute	4.	24 &	2	0.08	5	0	0.00	1	1	1.00	18	1	0.06			
01025	CADMIUM, DISSOLVED	3.9	7 &	0	0.00							7	0	0.00			
	Fresh Acute	5.	7 &	0	0.00							7	0	0.00			
01027	CADMIUM, TOTAL	3.9	19 &	0	0.00	1	0	0.00				18	0	0.00			
	Fresh Acute	5.	19 &	0	0.00	1	0	0.00				18	0	0.00			
01030	CHROMIUM, DISSOLVED	100.	26	0	0.00	6	0	0.00				20	0	0.00			
01034	CHROMIUM, TOTAL	100.	43	0	0.00	8	0	0.00	1	0	0.00	34	0	0.00			
01040	COPPER, DISSOLVED	18.	2 &	0	0.00							2	0	0.00			
	Fresh Acute	9	9	0	0.00	2	0	0.00				7	0	0.00			
01042	COPPER, TOTAL	18.	14 &	0	0.00	1	0	0.00				13	0	0.00			
	Fresh Acute	1300.	33	0	0.00	6	0	0.00	3	0	0.00	24	0	0.00			
01049	LEAD, DISSOLVED	82.	8	0	0.00	2	0	0.00				6	0	0.00			
	Fresh Acute	15.	2 &	0	0.00							2	0	0.00			
01051	LEAD, TOTAL	82.	33	0	0.00	6	0	0.00	3	0	0.00	24	0	0.00			
	Fresh Acute	15.	14 &	0	0.00	1	0	0.00				13	0	0.00			
01057	THALLIUM, DISSOLVED	1400.	7	0	0.00	1	0	0.00				6	0	0.00			
	Fresh Acute	2.	5 &	5	1.00	1	1	1.00				4	4	1.00			
01059	THALLIUM, TOTAL	1400.	6	0	0.00	1	0	0.00				5	0	0.00			
	Fresh Acute	2.	4 &	4	1.00	1	1	1.00				3	3	1.00			
01065	NICKEL, DISSOLVED	1400.	2	0	0.00							2	0	0.00			
	Fresh Acute	100.	2	0	0.00							2	0	0.00			
01067	NICKEL, TOTAL	1400.	25	0	0.00	4	0	0.00	3	0	0.00	18	0	0.00			
	Fresh Acute	100.	25	0	0.00	4	0	0.00	3	0	0.00	18	0	0.00			
01077	SILVER, TOTAL	4.1	0 &	0	0.00												
	Fresh Acute	100.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	120.	37	1	0.03	8	0	0.00				29	1	0.03			
	Fresh Acute	5000.	37	0	0.00	8	0	0.00				29	0	0.00			
01092	ZINC, TOTAL	120.	67	3	0.04	13	1	0.08	7	1	0.14	47	1	0.02			
	Fresh Acute	5000.	67	0	0.00	13	0	0.00	7	0	0.00	47	0	0.00			
01095	ANTIMONY, DISSOLVED	88.	16	1	0.06	3	0	0.00				13	1	0.08			
	Fresh Acute	6.	1 &	1	1.00							1	1	1.00			
01097	ANTIMONY, TOTAL	88.	32	3	0.09	5	1	0.20	5	1	0.20	22	1	0.05			
	Fresh Acute	6.	3 &	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
01147	SELENIUM, TOTAL	20.	6	0	0.00							6	0	0.00			
	Fresh Acute	50.	6	0	0.00							6	0	0.00			
71890	MERCURY, DISSOLVED	2.4	18	10	0.56	3	3	1.00				15	7	0.47			
	Fresh Acute	2.	18	10	0.56	3	3	1.00				15	7	0.47			
71900	MERCURY, TOTAL	2.4	27	17	0.63	5	5	1.00	3	2	0.67	19	10	0.53			
	Fresh Acute	2.	27	17	0.63	5	5	1.00	3	2	0.67	19	10	0.53			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: HOCU0053 Parameter Code: 00095

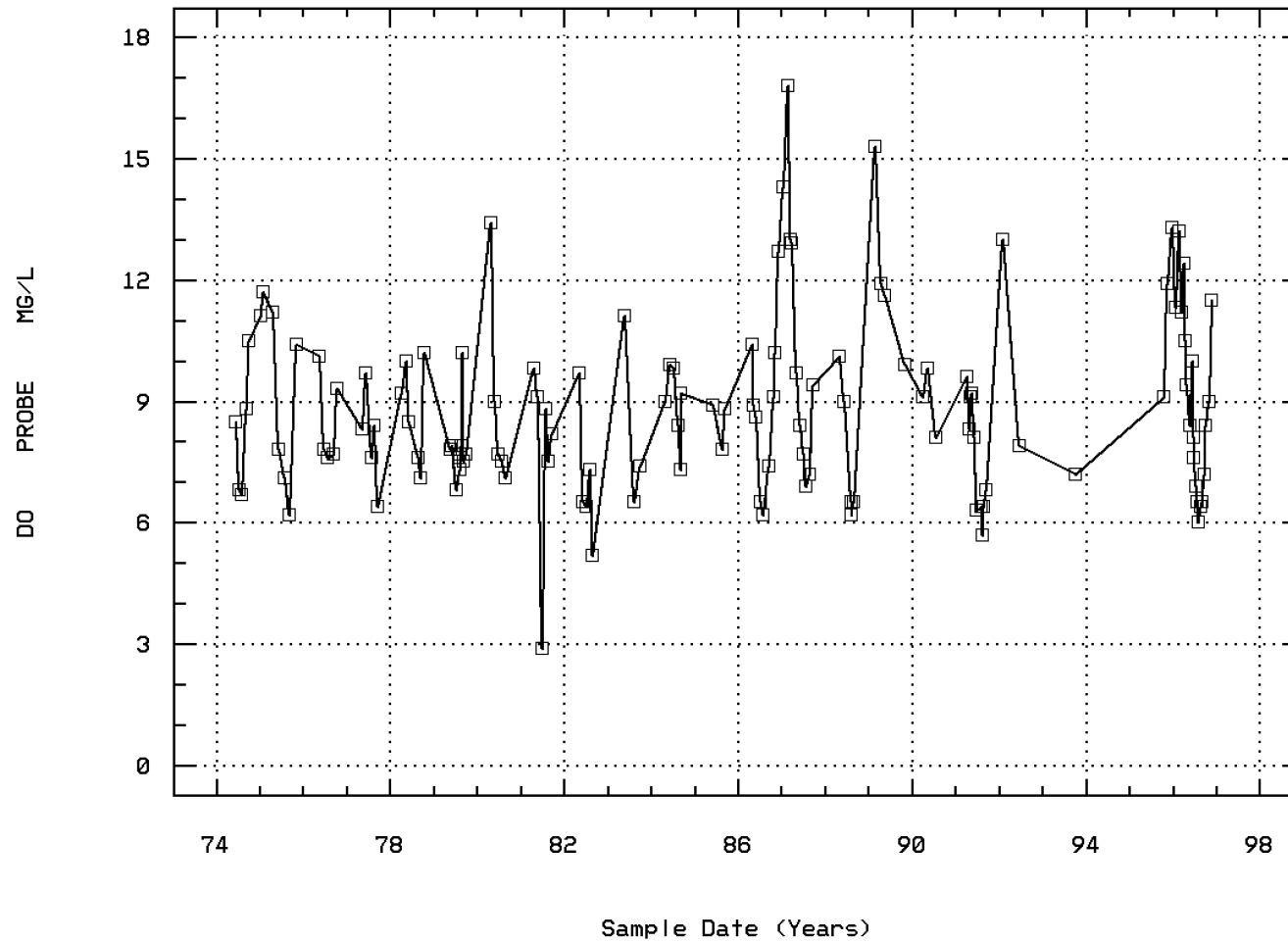
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00299

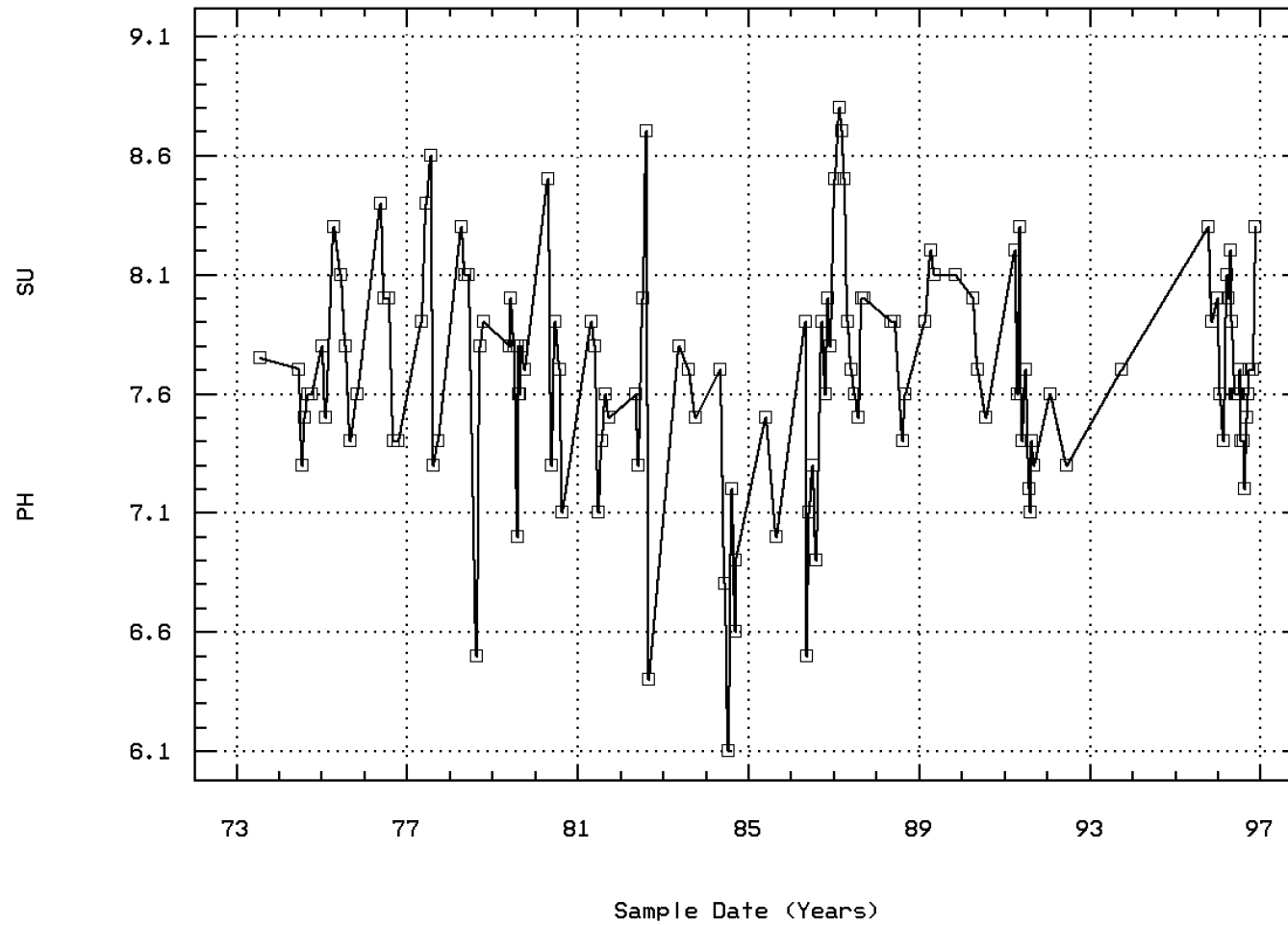
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00400

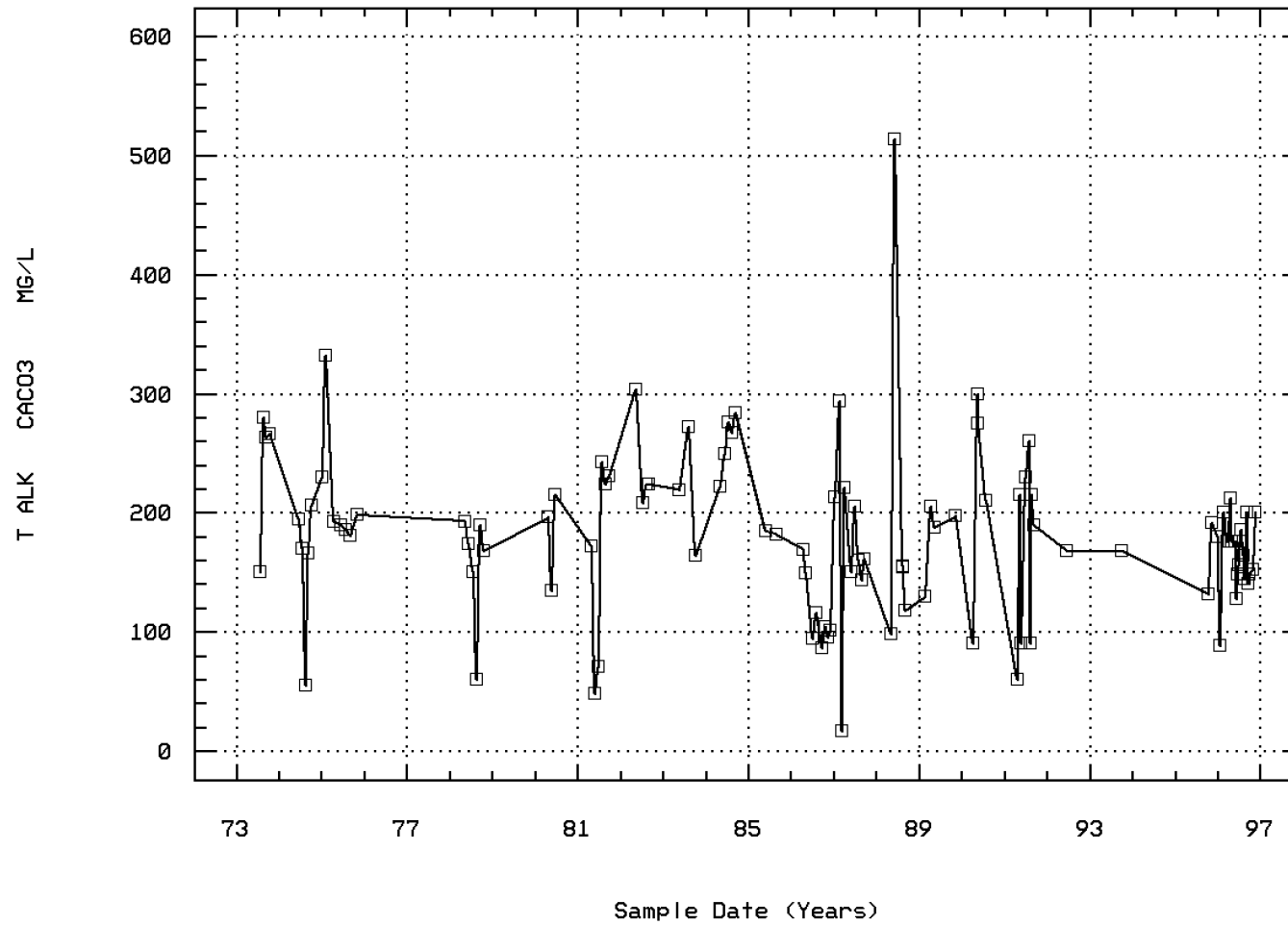
PH (STANDARD UNITS)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00410

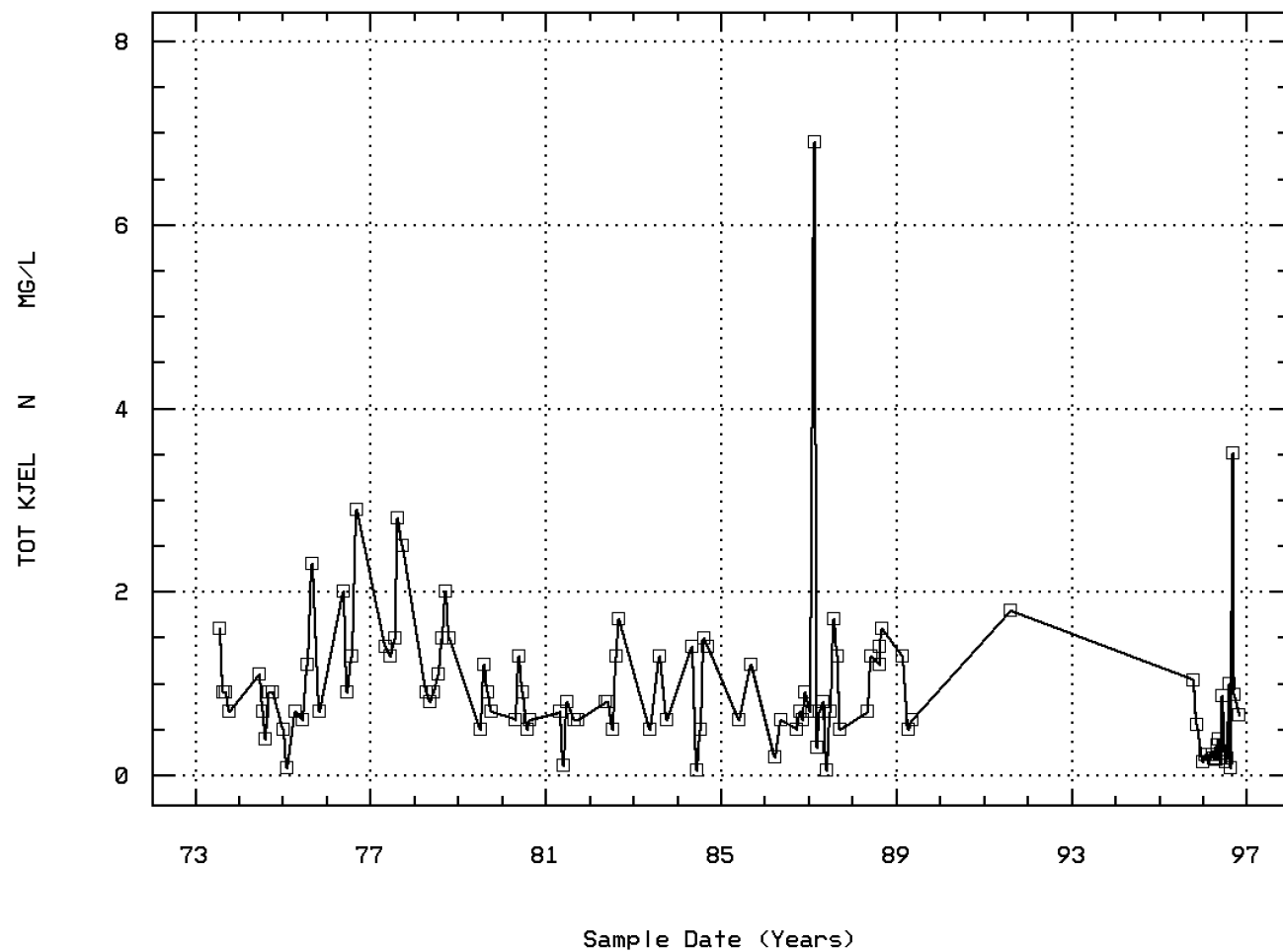
ALKALINITY, TOTAL (MG/L AS CaCO3)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00625

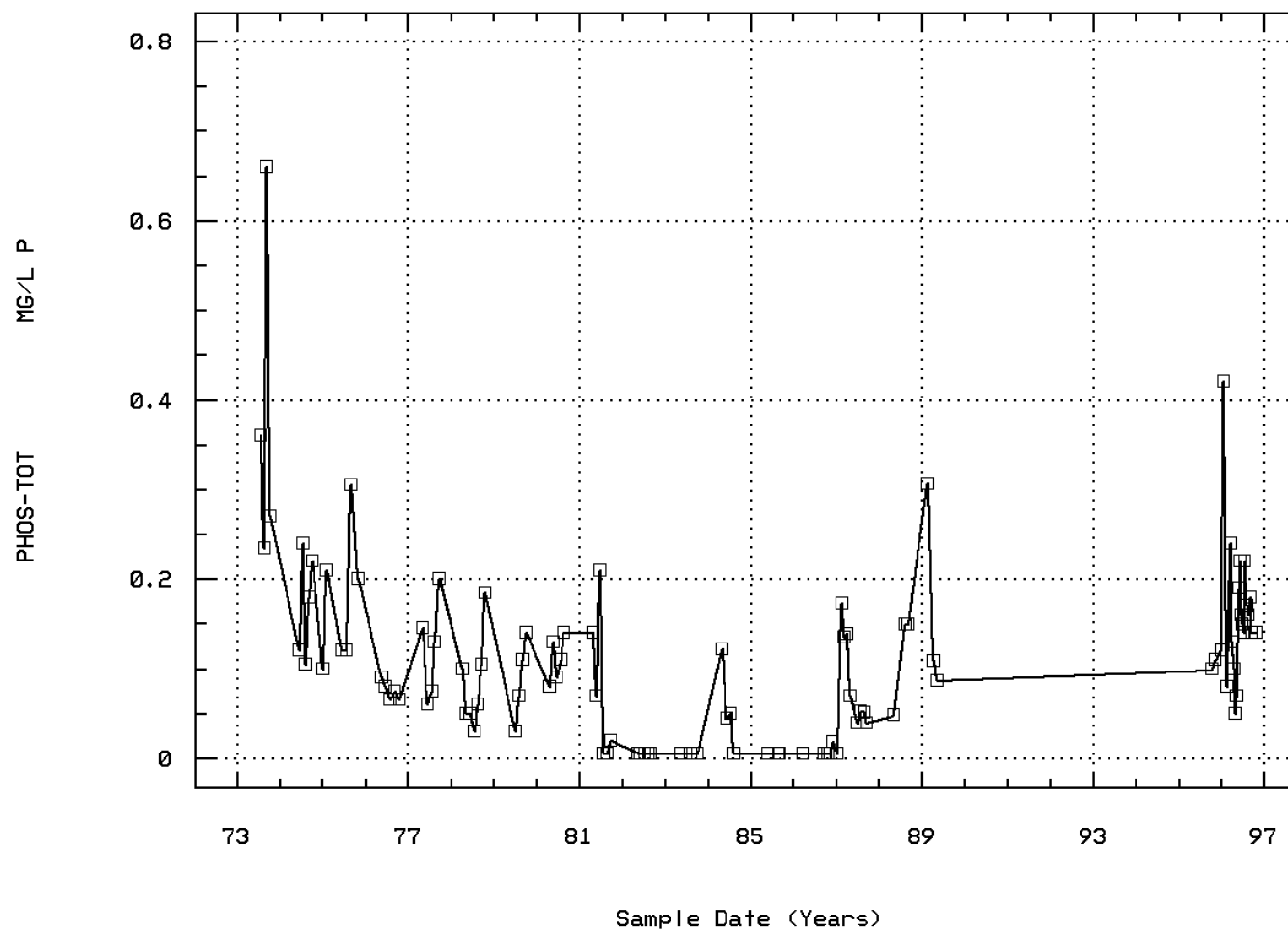
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)



Outflow of Paint Creek Lake

Annual Analysis for 1973 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	4	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	1	22.	22.	22.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	1	420.	420.	420.	420.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	1	7.75	7.75	7.75	7.75	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	1	7.75	7.75	7.75	7.75	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	1	0.018	0.018	0.018	0.018	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	6	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	5	20.6	19.88	23.	14.7	9.597	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	6	497.5	432.5	540.	90.	28927.5	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	5	8.5	8.26	10.5	6.7	2.483	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.6	7.54	7.7	7.3	0.023	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.6	7.517	7.7	7.3	0.024	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	5	0.025	0.03	0.05	0.02	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	9	0.	0.111	1.	0.	0.111	0.	0.	0.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	7	14.8	14.014	24.8	4.	66.301	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	7	520.	514.286	600.	400.	4195.238	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	7	10.4	9.357	11.7	6.2	5.083	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	7	7.8	7.786	8.3	7.4	0.105	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	7	7.8	7.695	8.3	7.4	0.114	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	7	0.016	0.02	0.04	0.005	0.013	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	8	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	5	19.1	19.44	24.	16.3	10.718	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	5	538.	506.4	557.	442.	3344.3	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	5	7.8	8.5	10.1	7.6	1.285	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	5	8.	7.84	8.4	7.4	0.188	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	5	8.	7.684	8.4	7.4	0.219	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	5	0.01	0.021	0.04	0.004	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	7	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	5	22.4	23.22	27.6	19.4	10.522	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	5	445.	368.	506.	6.	42170.5	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	5	8.3	8.08	9.7	6.4	1.457	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.9	7.92	8.6	7.3	0.337	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.9	7.661	8.6	7.3	0.421	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	5	0.013	0.022	0.05	0.003	0.022	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	13	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	6	17.25	17.583	24.5	12.5	26.942	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	6	553.5	566.333	720.	449.	11478.667	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	6	8.85	8.767	10.2	7.1	1.595	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	6	8.	7.783	8.3	6.5	0.426	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	6	7.989	7.215	8.3	6.5	0.813	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	6	0.01	0.061	0.316	0.005	0.016	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	12	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	9	22.1	21.444	26.4	16.4	11.073	16.4	18.05	24.05	26.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	9	526.	526.556	607.	434.	3020.278	54.957	434.	481.5	607.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	9	7.7	7.867	10.2	6.8	0.887	0.942	6.8	7.4	10.2
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	9	7.8	7.678	8.	7.	0.079	0.282	7.	7.6	8.
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	9	7.8	7.568	8.	7.	0.093	0.305	7.	7.6	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	9	0.016	0.027	0.1	0.01	0.001	0.028	0.01	0.016	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	6	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	5	20.7	19.56	23.8	11.5	24.603	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	5	460.	449.6	580.	233.	17853.3	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	5	7.7	8.94	13.4	7.1	6.723	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.7	7.7	8.5	7.1	0.3	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.7	7.481	8.5	7.1	0.36	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	5	0.02	0.033	0.079	0.003	0.001	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	9	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	6	21.6	19.883	24.4	12.7	24.778	4.978	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	6	543.5	505.667	621.	287.	13518.267	116.268	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	6	8.5	7.717	9.8	2.9	6.182	2.486	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	6	7.55	7.55	7.9	7.1	0.083	0.288	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	6	7.547	7.468	7.9	7.1	0.091	0.302	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	6	0.028	0.034	0.079	0.013	0.001	0.024	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	10	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	5	20.4	19.52	22.4	13.2	13.197	3.633	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	5	510.	514.	560.	460.	2080.	45.607	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	5	6.5	7.02	9.7	5.2	2.807	1.675	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.6	7.6	8.7	6.4	0.725	0.851	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.6	7.013	8.7	6.4	1.156	1.075	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	5	0.025	0.097	0.398	0.002	0.029	0.169	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	6	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	3	25.1	23.267	27.9	16.8	33.323	5.773	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	3	412.	423.667	480.	379.	2652.333	51.501	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	3	7.4	8.333	11.1	6.5	5.943	2.438	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	3	7.7	7.667	7.8	7.5	0.023	0.153	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	3	7.7	7.648	7.8	7.5	0.024	0.154	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	3	0.02	0.022	0.032	0.016	0.	0.008	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	6	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	6	22.2	20.1	24.2	12.	21.996	4.69	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	6	511.	507.333	565.	426.	2102.267	45.85	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	6	9.1	8.933	9.9	7.3	0.943	0.971	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	6	6.85	6.883	7.7	6.1	0.294	0.542	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	6	6.847	6.628	7.7	6.1	0.372	0.61	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	6	0.142	0.235	0.794	0.02	0.081	0.285	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	3	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	3	21.	21.433	23.5	19.8	3.563	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	3	498.	513.333	577.	465.	3312.333	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	3	8.8	8.5	8.9	7.8	0.37	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	2	7.25	7.25	7.5	7.	0.125	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	2	7.182	7.182	7.5	7.	0.134	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	2	0.066	0.066	0.1	0.032	0.002	**	**	**	**

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Annual Analysis for 1986 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	11	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	9	17.2	17.744	25.6	7.1	32.993	5.744	7.1	14.15	23.05
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	9	497.	498.556	553.	446.	1368.278	36.99	446.	465.5	533.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	9	8.9	8.889	12.7	6.2	4.226	2.056	6.2	6.95	10.3
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	9	7.6	7.444	8.	6.5	0.275	0.525	6.5	7.	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	9	7.6	7.143	8.	6.5	0.378	0.615	6.5	7.	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	9	0.025	0.072	0.316	0.01	0.01	0.1	0.01	0.013	0.103

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Annual Analysis for 1987 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	13	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	10	18.3	15.44	24.4	2.2	80.827	8.99	2.35	6.25	23.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	10	553.5	552.5	669.	437.	8078.722	89.882	437.4	468.75	642.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	10	9.55	10.63	16.8	6.9	11.547	3.398	6.93	7.575	13.325
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	10	8.	8.12	8.8	7.5	0.222	0.471	7.51	7.675	8.55
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	10	8.	7.924	8.8	7.5	0.265	0.514	7.51	7.675	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	10	0.01	0.012	0.032	0.002	0.	0.011	0.002	0.003	0.021

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	6	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	5	22.7	20.64	24.3	13.3	19.118	4.372	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	5	552.	541.8	567.	485.	1048.7	32.384	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	5	6.5	7.66	10.1	6.2	3.143	1.773	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.6	7.64	7.9	7.4	0.063	0.251	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	5	7.6	7.585	7.9	7.4	0.067	0.258	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	5	0.025	0.026	0.04	0.013	0.	0.014	**	**	**

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Annual Analysis for 1989 - Station HOCU0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	6	0.	0.333	2.	0.	0.667	0.816	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	4	10.4	9.4	13.4	3.4	19.707	4.439	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	4	494.	475.	502.	410.	1924.667	43.871	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	4	11.75	12.175	15.3	9.9	5.116	2.262	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	4	8.1	8.075	8.2	7.9	0.016	0.126	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	4	8.1	8.061	8.2	7.9	0.016	0.127	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	4	0.008	0.009	0.013	0.006	0.	0.003	**	**	**	**

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Annual Analysis for 1990 - Station HOCU0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	6	0.	0.		0.		0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	3	15.4	15.433	23.2	7.7	60.063	7.75	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	3	566.	553.	658.	435.	12559.	112.067	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	3	9.1	9.	9.8	8.1	0.73	0.854	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	3	7.7	7.733	8.	7.5	0.063	0.252	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	3	7.7	7.688	8.	7.5	0.066	0.258	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	3	0.02	0.021	0.032	0.01	0.	0.011	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	10	23.8	21.	27.9	10.9	30.589	5.531	11.21	15.65	24.45	27.63
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	10	518.	481.8	628.	142.	16767.067	129.488	172.5	457.5	537.75	620.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	10	7.45	7.59	9.6	5.7	2.041	1.429	5.76	6.375	9.125	9.56
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	10	7.5	7.58	8.3	7.1	0.16	0.399	7.11	7.275	7.825	8.29
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	10	7.489	7.451	8.3	7.1	0.178	0.422	7.11	7.275	7.825	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	10	0.032	0.035	0.079	0.005	0.001	0.024	0.005	0.017	0.053	0.078

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station HOCU0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	2	12.45	12.45	23.1	1.8	226.845	15.061	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	2	550.	550.	588.	512.	2888.	53.74	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	2	10.45	10.45	13.	7.9	13.005	3.606	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	2	7.45	7.45	7.6	7.3	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	2	7.425	7.425	7.6	7.3	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	2	0.038	0.038	0.05	0.025	0.	0.018	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	1	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	1	15.3	15.3	15.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	1	434.	434.	434.	434.	0.	0.	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**

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Annual Analysis for 1994 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	1	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1995 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	3	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	3	6.2	7.933	16.5	1.1	61.543	7.845	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	3	534.	516.667	567.	449.	3706.333	60.88	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	3	11.9	11.433	13.3	9.1	4.573	2.139	**	**	**
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	3	8.	8.067	8.3	7.9	0.043	0.208	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	3	8.	8.036	8.3	7.9	0.045	0.211	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	3	0.01	0.009	0.013	0.005	0.	0.004	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1996 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	21	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	19	18.3	15.442	23.8	1.9	53.339	7.303	3.3	7.7	23.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	19	476.	442.947	537.	244.	6274.497	79.212	298.	408.	523.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	19	8.4	8.974	13.2	6.	4.91	2.216	6.4	6.9	12.4
00400	PH (STANDARD UNITS)	07/26/73-11/19/96	19	7.6	7.689	8.3	7.2	0.084	0.29	7.4	7.5	8.2
00400	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	19	7.6	7.61	8.3	7.2	0.091	0.302	7.4	7.5	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	19	0.025	0.025	0.063	0.005	0.	0.014	0.006	0.013	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	34	0.	0.	0.	0.	0.	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	26	21.	19.888	25.1	13.	12.889	3.59	14.61	16.45	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/19/74-11/19/96	18	20.5	20.944	32.	10.	39.232	6.264	12.7	15.75	24.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/20/76-07/01/91	8	140.	174.	355.	25.	22869.429	151.226	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	26	455.5	472.077	720.	389.	3979.274	63.081	411.7	441.	495.75
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	26	7.7	8.035	10.5	6.2	1.461	1.209	6.47	7.175	9.1
00400p	PH (STANDARD UNITS)	07/26/73-11/19/96	25	7.6	7.576	8.3	6.6	0.113	0.336	7.14	7.4	7.75
00400p	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	25	7.6	7.416	8.3	6.6	0.139	0.373	7.14	7.4	7.75
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	25	0.025	0.038	0.251	0.005	0.002	0.05	0.012	0.018	0.04
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/26/73-11/19/96	21	168.	177.048	284.	86.	2703.248	51.993	106.8	144.	203.
00500p	RESIDUE, TOTAL (MG/L)	07/26/73-10/29/96	21	322.	334.286	488.	260.	3491.014	59.085	263.4	293.5	360.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-10/29/96	11	282.	303.	453.	254.	3269.6	57.18	255.2	260.	314.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/73-10/29/96	20	20.	22.55	48.	5.	166.682	12.911	7.3	11.25	33.75
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/73-10/29/96	22	0.2	0.47	2.26	0.025	0.373	0.611	0.033	0.05	0.563
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/73-10/29/96	24	0.9	1.266	3.51	0.5	0.662	0.814	0.55	0.7	1.575
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/73-10/29/96	22	0.95	1.194	6.	0.025	1.764	1.328	0.05	0.2	1.725
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/73-10/29/96	23	0.14	0.144	0.66	0.005	0.02	0.141	0.005	0.04	0.185
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/26/73-10/29/96	17	0.025	0.059	0.31	0.005	0.007	0.084	0.005	0.008	0.08
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/26/73-09/04/96	19	217.	242.105	476.	176.	5166.322	71.877	180.	200.	250.
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	04/28/81-07/24/90	3	38.	37.	39.	34.	7.	2.646	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS Ca)	06/19/74-09/04/96	17	42.	49.476	110.	31.	557.334	23.608	33.4	37.	50.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/81-07/24/90	3	23.	24.	26.	23.	3.	1.732	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/16/75-09/04/96	15	26.	29.02	49.	23.	65.777	8.11	23.6	24.	29.
00929	SODIUM, TOTAL (MG/L AS Na)	04/16/75-09/04/96	15	10.	9.426	17.	5.	8.317	2.884	5.6	7.69	11.
00930	SODIUM, DISSOLVED (MG/L AS Na)	04/28/81-07/24/90	3	7.	7.	8.	6.	1.	1.	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/81-07/24/90	3	2.	2.	2.	2.	0.	0.	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	14	3.105	3.058	4.	2.	0.361	0.601	2.	2.65	3.525
00940p	CHLORIDE, TOTAL IN WATER MG/L	06/19/74-09/04/96	20	21.5	21.55	34.	11.	46.471	6.817	11.3	16.	28.
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/26/73-09/04/96	19	39.	38.	46.	17.	48.	6.928	28.	34.	43.
01005	BARIUM, DISSOLVED (UG/L AS Ba)	04/28/81-08/12/91	3	41.	32.	50.	5.	567.	23.812	**	**	**
01007	BARIUM, TOTAL (UG/L AS Ba)	05/27/81-05/17/89	6	56.	60.	80.	50.	145.6	12.066	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/27/81-05/17/89	6 ##	0.5	1.25	5.	0.5	3.375	1.837	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/19/74-09/04/96	9 ##	25.	25.011	50.	0.1	155.626	12.475	0.1	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/76-08/10/82	6 ##	25.	25.	25.	25.	0.	0.	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	06/19/74-10/29/96	20	657.5	960.7	4055.	200.	805825.168	897.678	210.	351.25	1396.25
01046	IRON, DISSOLVED (UG/L AS FE)	04/16/75-10/29/96	15 ##	50.	42.6	50.	2.5	275.079	16.585	2.5	46.	50.
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/19/74-10/29/96	20	109.5	237.9	1250.	20.	102715.147	320.492	50.3	72.5	251.25
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/75-10/29/96	15	40.	212.4	1110.	0.5	125819.221	354.71	0.5	10.	205.
01092	ZINC, TOTAL (UG/L AS ZN)	02/03/75-09/04/96	13 ##	50.	48.615	165.	12.	1555.756	39.443	17.2	25.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	04/28/81-05/17/89	5 ##	50.	80.	200.	50.	4500.	67.082	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/20/76-09/04/96	9	250.	340.	1020.	80.	73775.	271.616	80.	220.	390.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/12/78-11/19/96	15	11.91	15.495	34.42	1.87	98.903	9.945	2.848	7.5	24.87
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	15	7.89	10.119	25.34	0.5	60.408	7.772	0.968	4.17	17.86
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	15	7.09	8.443	19.76	0.5	23.287	4.826	2.6	5.06	10.81
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO, BEFORE/AFTER ACID	04/12/78-11/19/96	15	1.4	1.34	1.5	1.	0.02	0.14	1.12	1.2	1.4
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/22/76-08/09/83	3	8.5	7.	10.	2.5	15.75	3.969	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/19/74-08/09/83	5	7.	6.62	10.	3.6	7.772	2.788	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	17	0.	0.118	2.	0.	0.235	0.485	0.	0.	0.4
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	15	4.	5.74	14.8	1.1	18.414	4.291	1.52	2.2	7.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/19/74-11/19/96	13	7.	7.385	26.	-2.	46.923	6.85	2.4	5.	21.6
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/20/76-07/01/91	1	255.	255.	255.	255.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	15	530.	519.933	669.	298.	7897.638	88.869	365.2	480.	588.	631.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	15	11.9	12.44	16.8	9.9	3.771	1.942	10.08	11.1	13.3	15.9
00400p	PH (STANDARD UNITS)	07/26/73-11/19/96	15	7.9	7.92	8.8	7.4	0.149	0.386	7.46	7.6	8.1	8.62
00400p	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	15	7.9	7.793	8.8	7.4	0.166	0.407	7.46	7.6	8.1	8.62
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	15	0.013	0.016	0.04	0.002	0.	0.011	0.003	0.008	0.025	0.035
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/26/73-11/19/96	14	197.5	189.286	332.	88.	4959.143	70.421	91.5	122.75	217.25	313.
00500p	RESIDUE, TOTAL (MG/L)	07/26/73-10/29/96	12	372.5	386.417	484.	281.	3673.356	60.608	295.1	361.25	450.25	480.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-10/29/96	9	320.	340.	456.	210.	4933.5	70.239	210.	310.5	388.5	456.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/73-10/29/96	12	35.	46.542	177.	2.5	2534.794	50.347	3.85	9.5	71.5	148.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/73-10/29/96	10##	0.05	0.116	0.36	0.01	0.012	0.108	0.014	0.05	0.178	0.344
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/73-10/29/96	11	0.6	1.146	6.9	0.08	3.763	1.94	0.094	0.23	0.9	5.78
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/73-10/29/96	12	5.15	4.936	9.2	1.	7.217	2.687	1.15	2.513	6.325	9.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/73-10/29/96	12	0.115	0.146	0.42	0.005	0.016	0.126	0.005	0.034	0.208	0.386
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/26/73-10/29/96	4	0.075	0.062	0.09	0.01	0.001	0.038	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/26/73-09/04/96	10	251.5	258.2	319.	214.	1459.733	38.206	214.1	227.	293.25	318.6
00916p	CALCIUM, TOTAL (MG/L AS Ca)	06/19/74-09/04/96	8	56.	60.913	110.	38.	528.718	22.994	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/16/75-09/04/96	6	28.	27.333	34.	19.	32.667	5.715	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS Na)	04/16/75-09/04/96	6	9.15	9.567	13.	7.	4.595	2.144	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	5##	5.	4.64	5.	3.2	0.648	0.805	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/19/74-09/04/96	7	23.	24.429	35.	14.	61.286	7.829	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/26/73-09/04/96	8	45.5	42.5	58.	18.	177.143	13.31	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS Ba)	05/27/81-05/17/89	5	50.	52.2	61.	40.	74.2	8.614	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/27/81-05/17/89	5##	5.	9.8	29.	5.	115.2	10.733	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/19/74-09/04/96	3##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	06/19/74-10/29/96	12	642.	987.333	3860.	100.	1093380.061	1045.648	130.	271.	1430.	3242.
01046	IRON, DISSOLVED (UG/L AS FE)	04/16/75-10/29/96	4##	10.75	36.	120.	2.5	3196.5	56.538	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/19/74-10/29/96	12	40.	42.	81.	5.	436.364	20.889	9.5	27.	49.75	78.3
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/75-10/29/96	4	34.	37.5	80.	2.	1073.	32.757	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/03/75-09/04/96	7##	25.	42.143	120.	25.	1265.476	35.574	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	04/28/81-05/17/89	5##	50.	60.	100.	50.	500.	22.361	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/20/76-09/04/96	5	410.	879.	2170.	80.	933580.	966.219	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/12/78-11/19/96	10	15.755	22.253	89.02	0.5	708.629	26.62	0.603	3.075	28.588	84.419
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	10	12.235	12.129	34.83	0.5	111.492	10.559	0.5	1.933	16.643	33.456
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	10	5.005	15.904	110.31	0.5	1128.169	33.588	0.5	1.213	12.928	100.985
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/12/78-11/19/96	10	1.4	1.4	1.6	1.1	0.02	0.141	1.12	1.3	1.5	1.59
71900	MERCURY, TOTAL (UG/L AS HG)	06/19/74-08/09/83	3	2.7	2.8	4.6	1.1	3.07	1.752	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/26/73-11/19/96	130	0.	0.008	1.	0.	0.008	0.088	0.	0.	0.	0.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/73-11/19/96	91	21.	19.408	27.9	7.1	28.013	5.293	11.02	16.2	23.5	24.48
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/19/74-11/19/96	57	23.	22.211	35.	5.	55.383	7.442	11.6	17.5	28.	31.4
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/20/76-07/01/91	30	274.	249.	320.	46.	6526.759	80.788	59.8	257.75	299.75	318.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/73-11/19/96	92	511.5	493.	658.	6.	11706.879	108.198	402.4	466.75	552.75	589.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/19/74-11/19/96	90	8.2	8.41	13.4	2.9	3.373	1.836	6.4	7.1	9.7	11.04
00400p	PH (STANDARD UNITS)	07/26/73-11/19/96	91	7.7	7.665	8.7	6.1	0.247	0.497	7.1	7.4	8.	8.3
00400p	CONVERTED PH (STANDARD UNITS)	07/26/73-11/19/96	91	7.7	7.322	8.7	6.1	0.366	0.605	7.1	7.4	8.	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/73-11/19/96	91	0.02	0.048	0.794	0.002	0.01	0.101	0.005	0.01	0.04	0.079
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	07/26/73-11/19/96	72	179.	181.792	514.	17.	5354.815	73.177	90.	149.25	218.	270.5
00500p	RESIDUE, TOTAL (MG/L)	07/26/73-10/29/96	69	366.	368.435	546.	112.	5584.896	74.732	289.	321.5	415.	460.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-10/29/96	48	337.5	325.896	464.	58.	7405.287	86.054	212.9	287.	387.	428.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/73-10/29/96	68	20.	33.978	284.	2.	1896.899	43.553	5.	11.	41.5	72.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/73-10/29/96	69	0.22	0.358	2.	0.025	0.145	0.38	0.05	0.05	0.5	1.
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/73-10/29/96	73	0.8	0.866	2.8	0.05	0.279	0.528	0.184	0.5	1.3	1.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

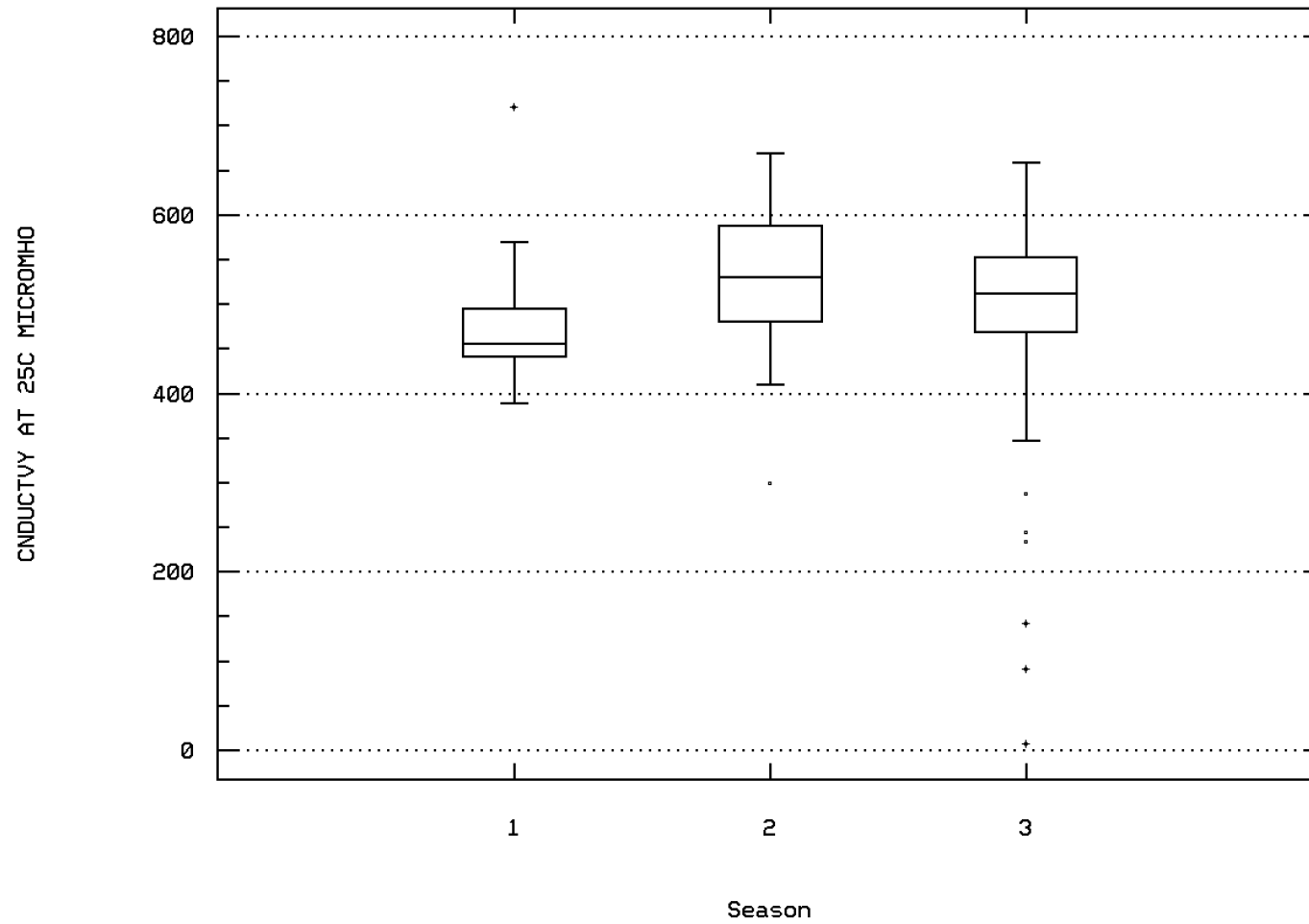
Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00630p	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	07/26/73-10/29/96	66	3.95	4.276	13.	0.05	7.295	2.701	0.74	2.275	6.545	7.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/73-10/29/96	69	0.08	0.095	0.36	0.005	0.005	0.073	0.005	0.047	0.14	0.21
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/26/73-10/29/96	55	0.03	0.04	0.145	0.005	0.001	0.036	0.005	0.005	0.065	0.097
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	07/26/73-09/04/96	65	238.	233.892	341.	46.	3006.504	54.832	161.6	216.	272.5	293.4
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	04/28/81-07/24/90	19	46.	41.816	69.	4.	284.948	16.88	10.	39.	51.	58.
00916p	CALCIUM, TOTAL (MG/L AS Ca)	06/19/74-09/04/96	62	50.5	48.823	76.1	12.	183.235	13.536	28.	41.	57.25	64.26
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/81-07/24/90	19	19.	16.7	31.	2.	86.693	9.311	4.	8.8	25.	30.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/16/75-09/04/96	59	25.	24.071	43.	4.	70.439	8.393	9.4	20.	30.	33.
00929	SODIUM, TOTAL (MG/L AS Na)	04/16/75-09/04/96	59	7.	7.207	19.	1.	9.361	3.06	3.	6.	8.	12.
00930	SODIUM, DISSOLVED (MG/L AS Na)	04/28/81-07/24/90	19	5.	5.368	8.8	1.	3.911	1.978	2.	4.6	6.6	8.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/81-07/24/90	19	1.3	1.484	4.	0.5	0.96	0.98	0.5	0.5	2.	2.6
00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	51	2.	2.667	12.4	0.5	4.967	2.229	0.5	1.6	2.9	6.6
00940p	CHLORIDE, TOTAL IN WATER MG/L	06/19/74-09/04/96	73	21.	21.856	60.	2.	83.066	9.114	11.4	15.	27.5	31.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	07/26/73-09/04/96	73	40.	38.979	86.	2.5	188.211	13.719	22.	31.	48.5	52.
01005	BARIUM, DISSOLVED (UG/L AS Ba)	04/28/81-08/12/91	14	40.	38.75	60.	0.5	307.26	17.529	9.75	25.25	54.	59.5
01007	BARIUM, TOTAL (UG/L AS Ba)	05/27/81-05/17/89	26	50.	50.	95.	27.	204.48	14.3	32.8	40.	57.25	70.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/27/81-05/17/89	26 ##	0.5	4.596	71.	0.5	187.84	13.705	0.5	0.5	5.	5.
01027p	CADMIUM, TOTAL (UG/L AS CD)	06/19/74-09/04/96	33 ##	2.	11.721	25.	0.1	151.797	12.321	0.26	0.5	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/76-08/10/82	20 ##	25.	16.525	25.	0.5	140.591	11.857	0.5	0.5	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	06/19/74-10/29/96	66	750.	927.879	3870.	100.	436739.093	660.862	285.4	475.	1300.	1819.
01046	IRON, DISSOLVED (UG/L AS FE)	04/16/75-10/29/96	49 ##	50.	71.724	374.	2.5	7135.792	84.474	10.	50.	50.	200.
01055p	MANGANESE, TOTAL (UG/L AS MN)	06/19/74-10/29/96	66	110.5	189.076	854.	5.	41047.517	202.602	25.6	40.	302.75	485.4
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/16/75-10/29/96	49	43.	141.48	785.	0.5	37902.145	194.685	5.	12.5	262.	458.
01092	ZINC, TOTAL (UG/L AS ZN)	02/03/75-09/04/96	47 ##	25.	35.213	150.	2.5	542.073	23.282	25.	25.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	04/28/81-05/17/89	22 ##	50.	56.818	200.	50.	1022.727	31.98	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/20/76-09/04/96	34	525.	630.353	1960.	120.	237988.296	487.84	160.	240.	820.	1465.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/12/78-11/19/96	64	13.53	15.282	52.55	1.5	111.518	10.56	4.245	6.57	20.87	29.25
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	59	8.05	10.489	34.92	0.5	72.09	8.491	2.03	3.62	14.73	22.42
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/12/78-11/19/96	59	5.83	7.4	30.72	1.62	27.366	5.231	1.94	3.71	10.26	13.7
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/12/78-11/19/96	59	1.4	1.368	1.6	1.1	0.021	0.144	1.2	1.2	1.5	1.5
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/22/76-08/09/83	15 ##	0.5	2.193	7.6	0.5	5.576	2.361	0.5	0.5	2.9	7.24
71900	MERCURY, TOTAL (UG/L AS HG)	06/19/74-08/09/83	19	2.5	3.021	8.3	0.5	7.405	2.721	0.5	0.5	5.	7.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0053 Parameter Code: 00095

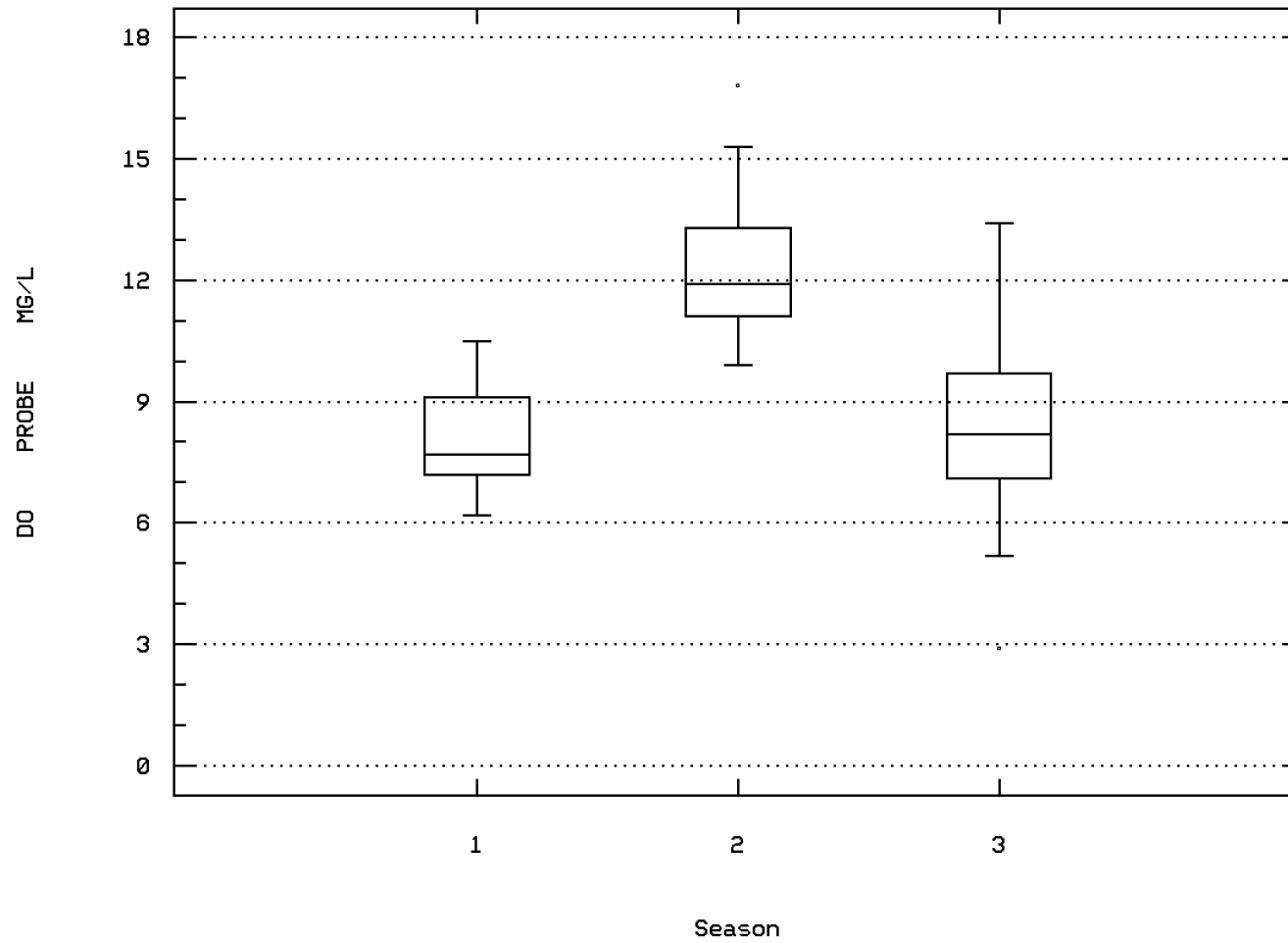
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00299

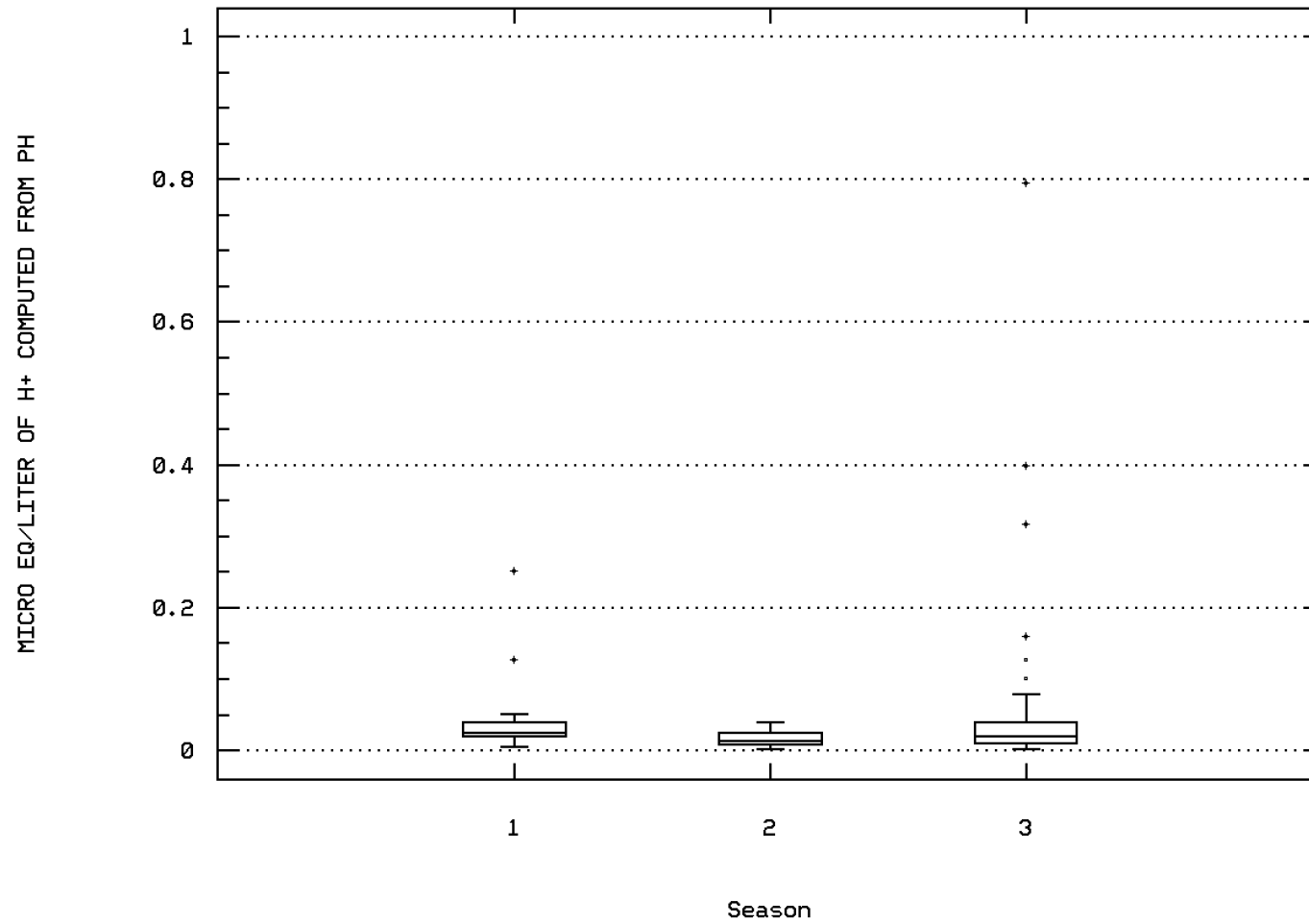
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00400

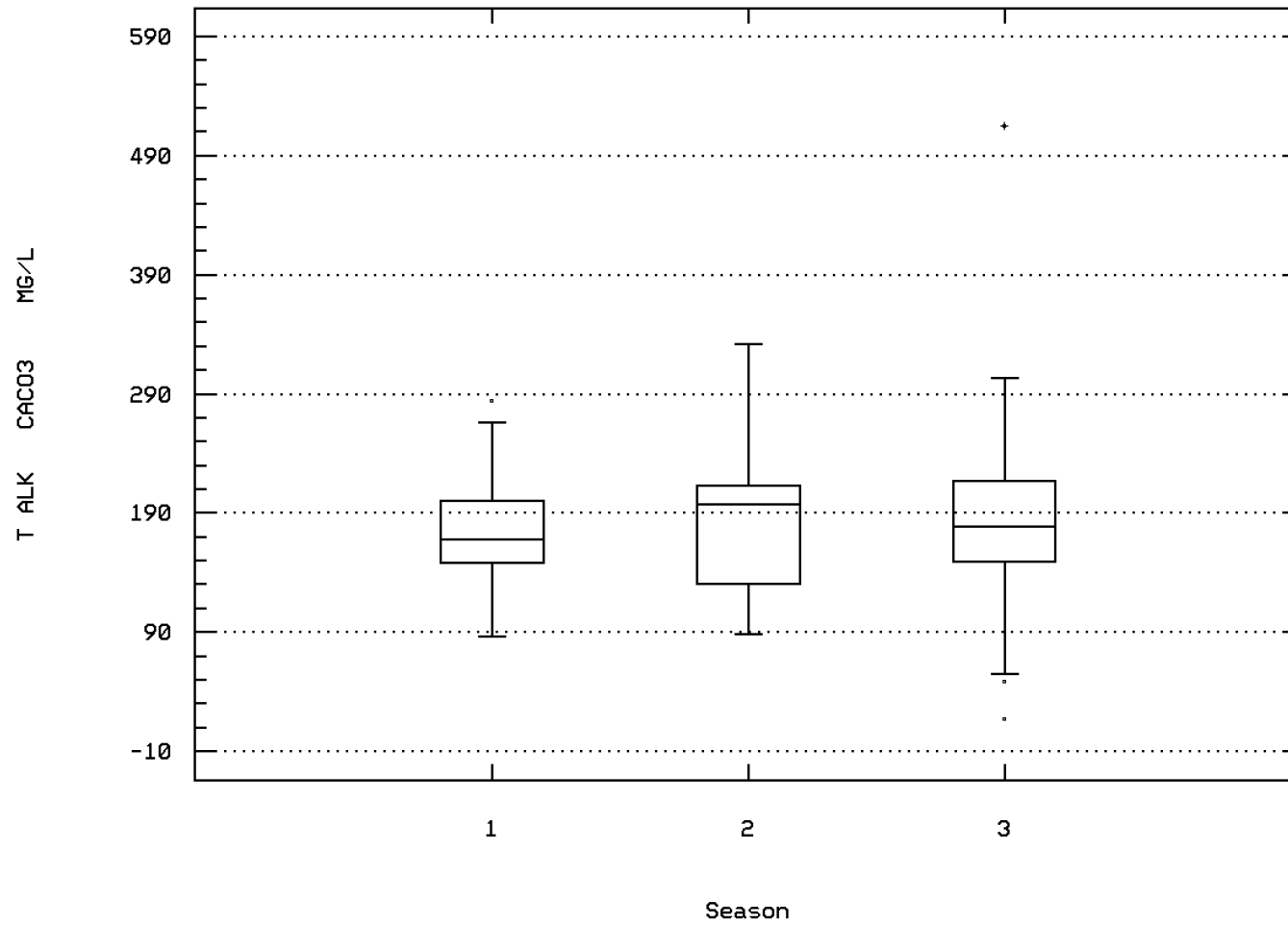
MICRO EQ/LITER OF H+ COMPUTED FROM PH



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00410

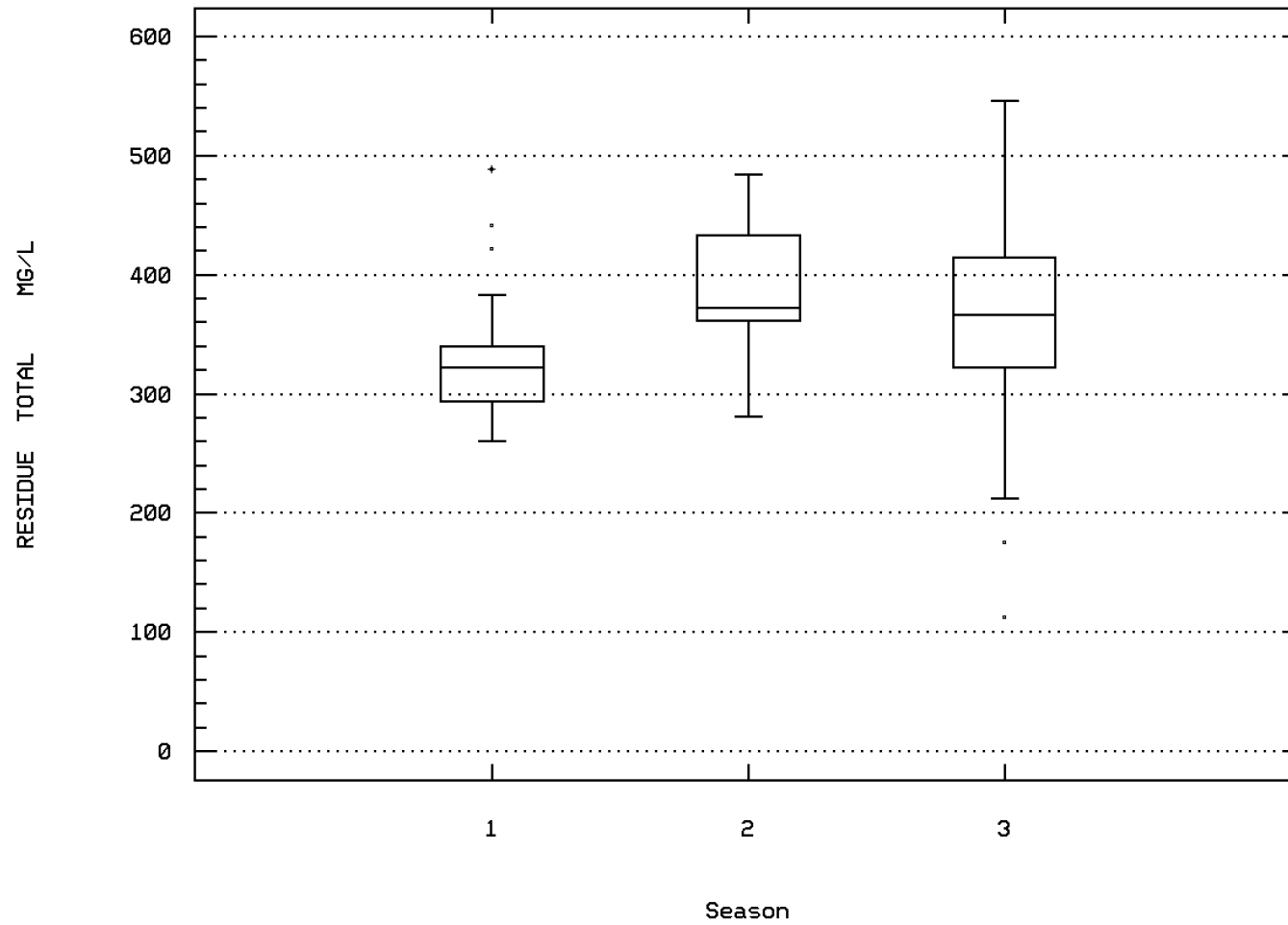
ALKALINITY, TOTAL (MG/L AS CaCO3)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00500

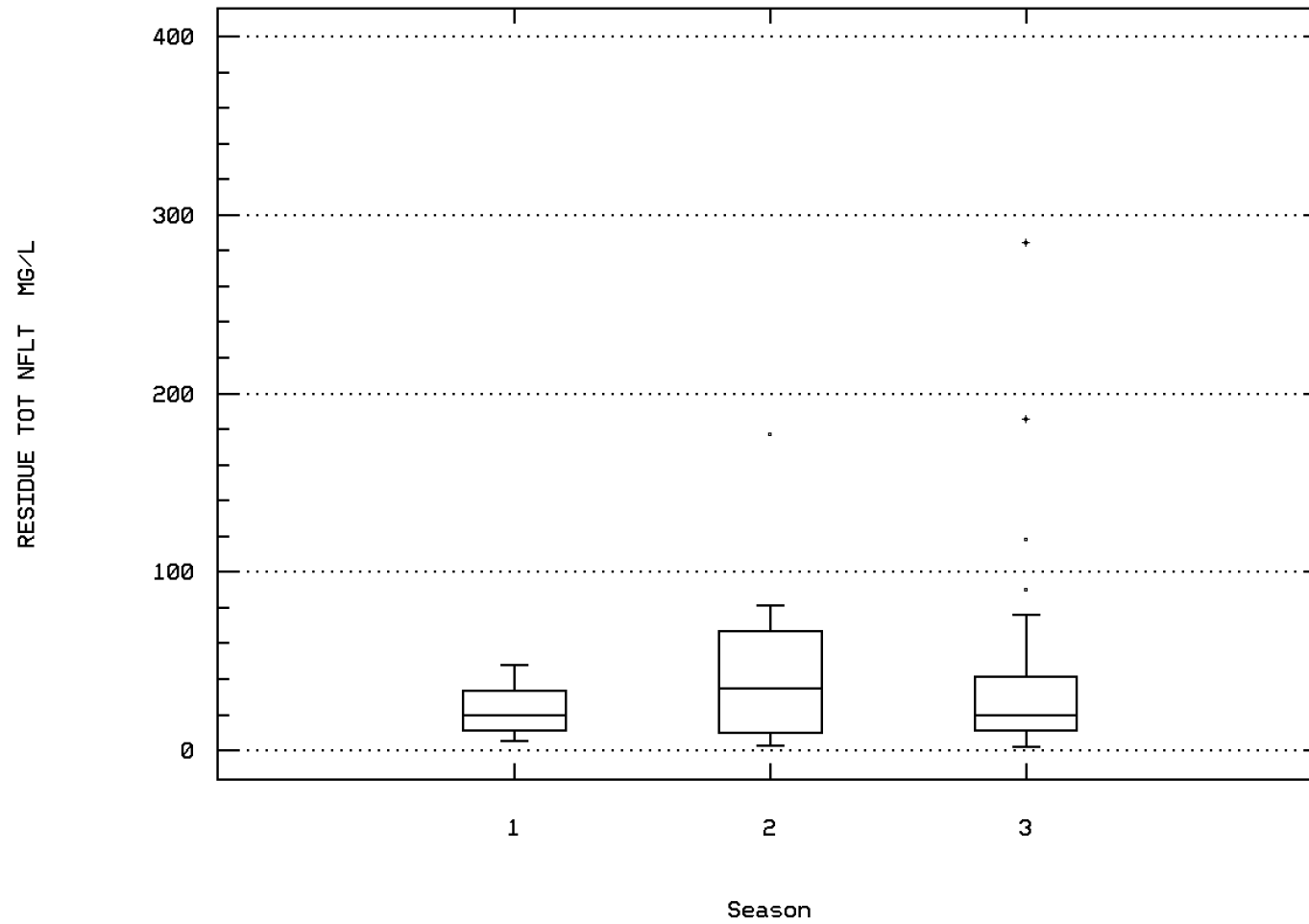
RESIDUE, TOTAL (MG/L)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00530

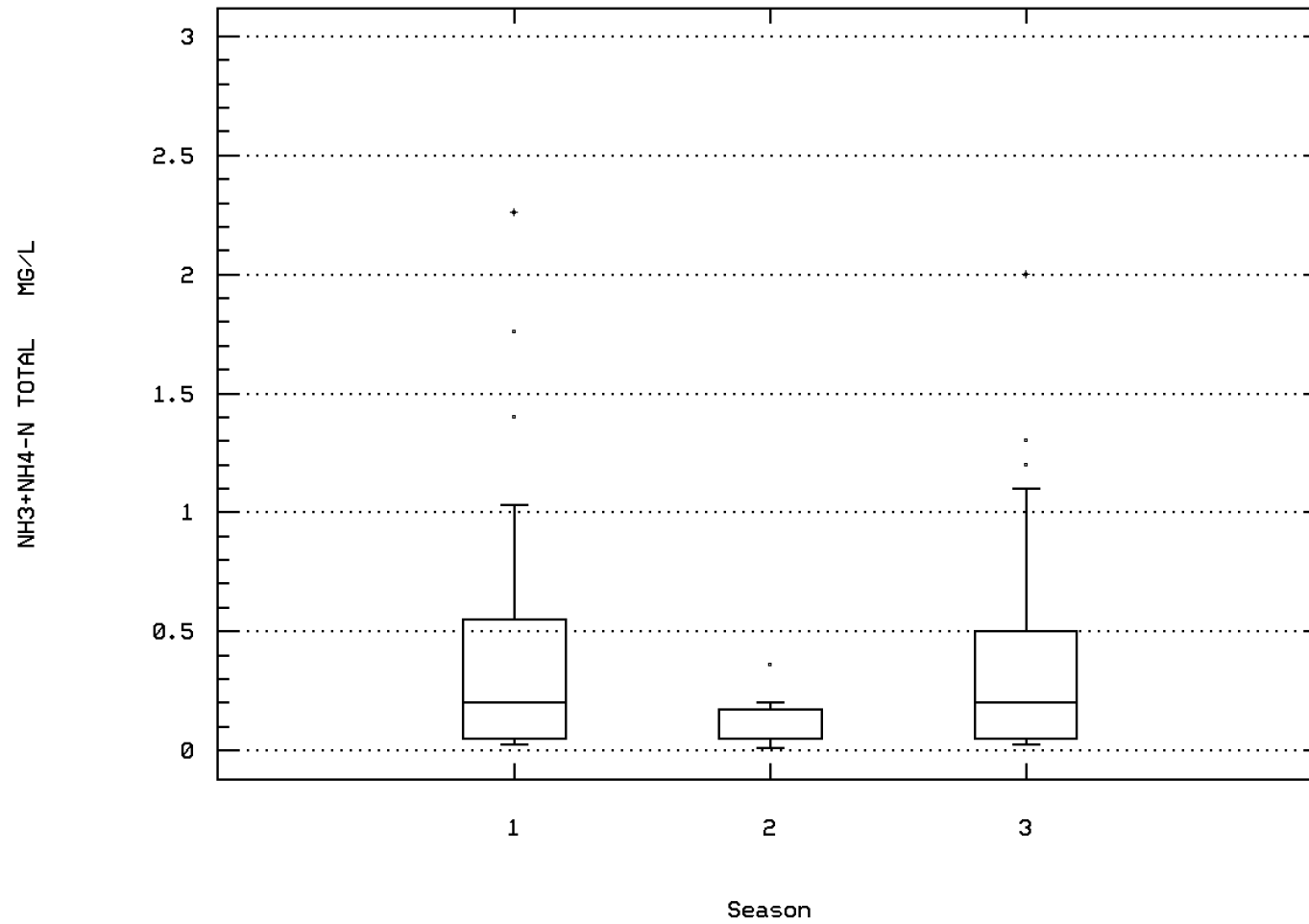
RESIDUE, TOTAL NONFILTRABLE (MG/L)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00610

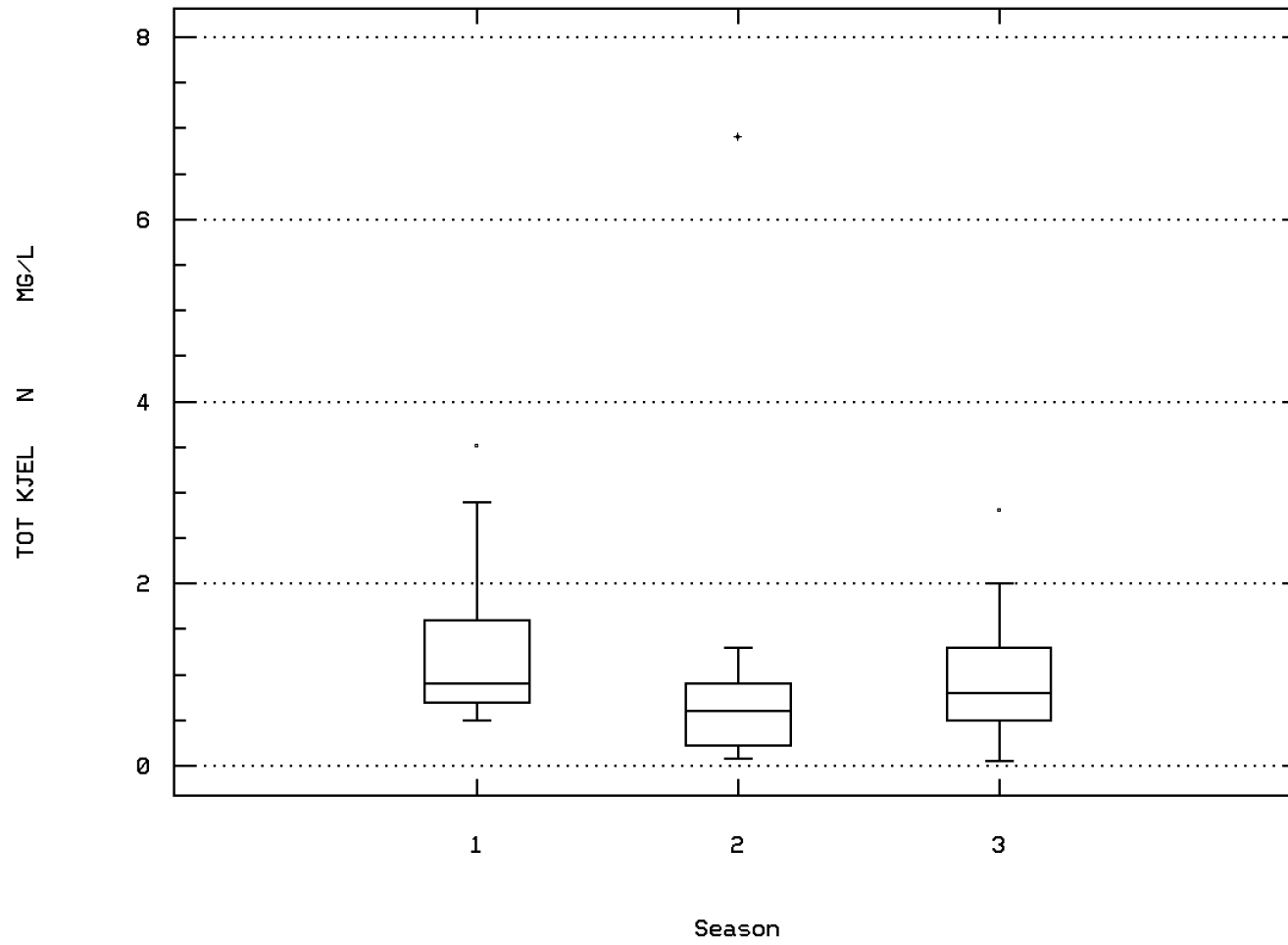
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00625

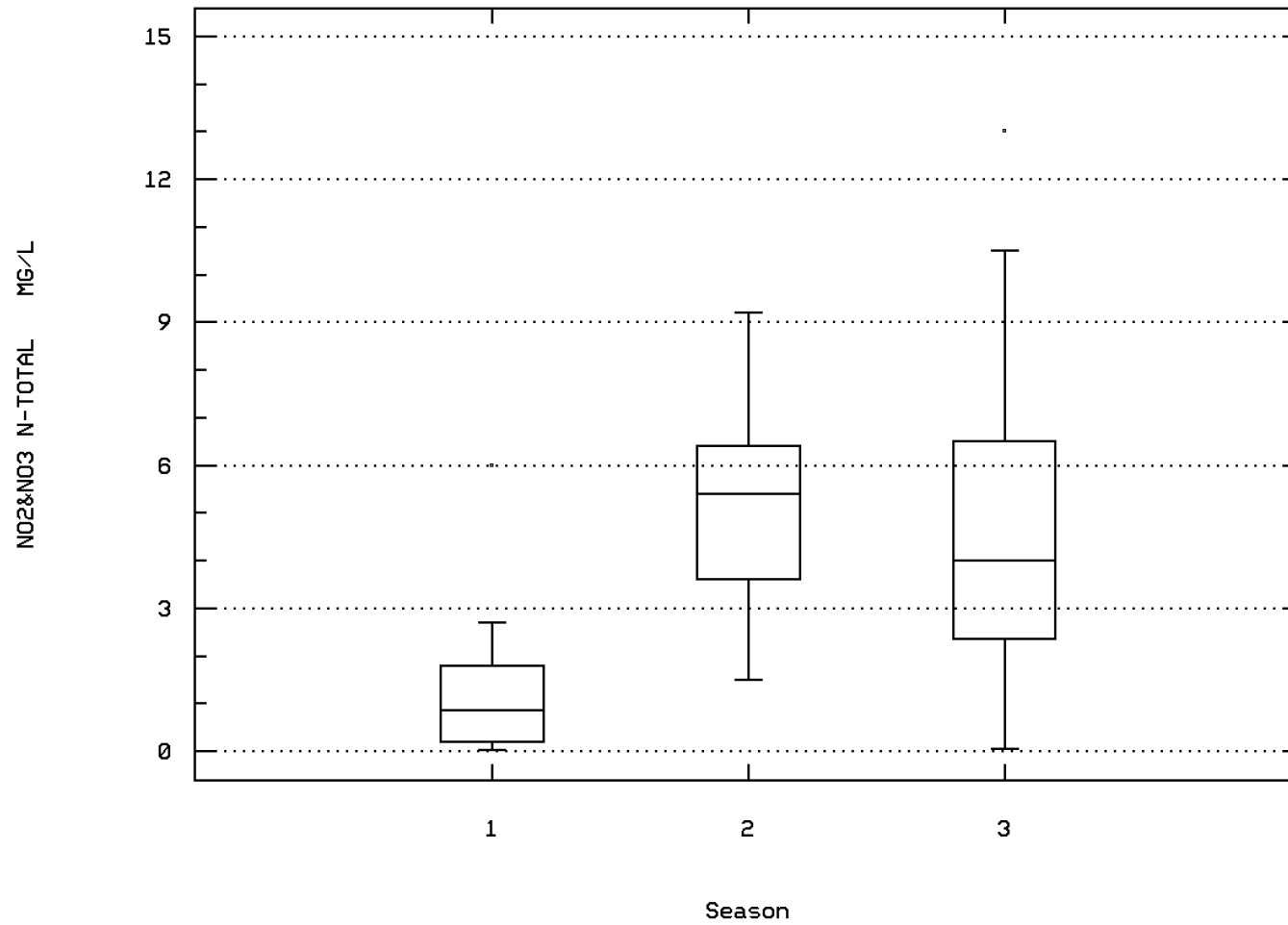
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00630

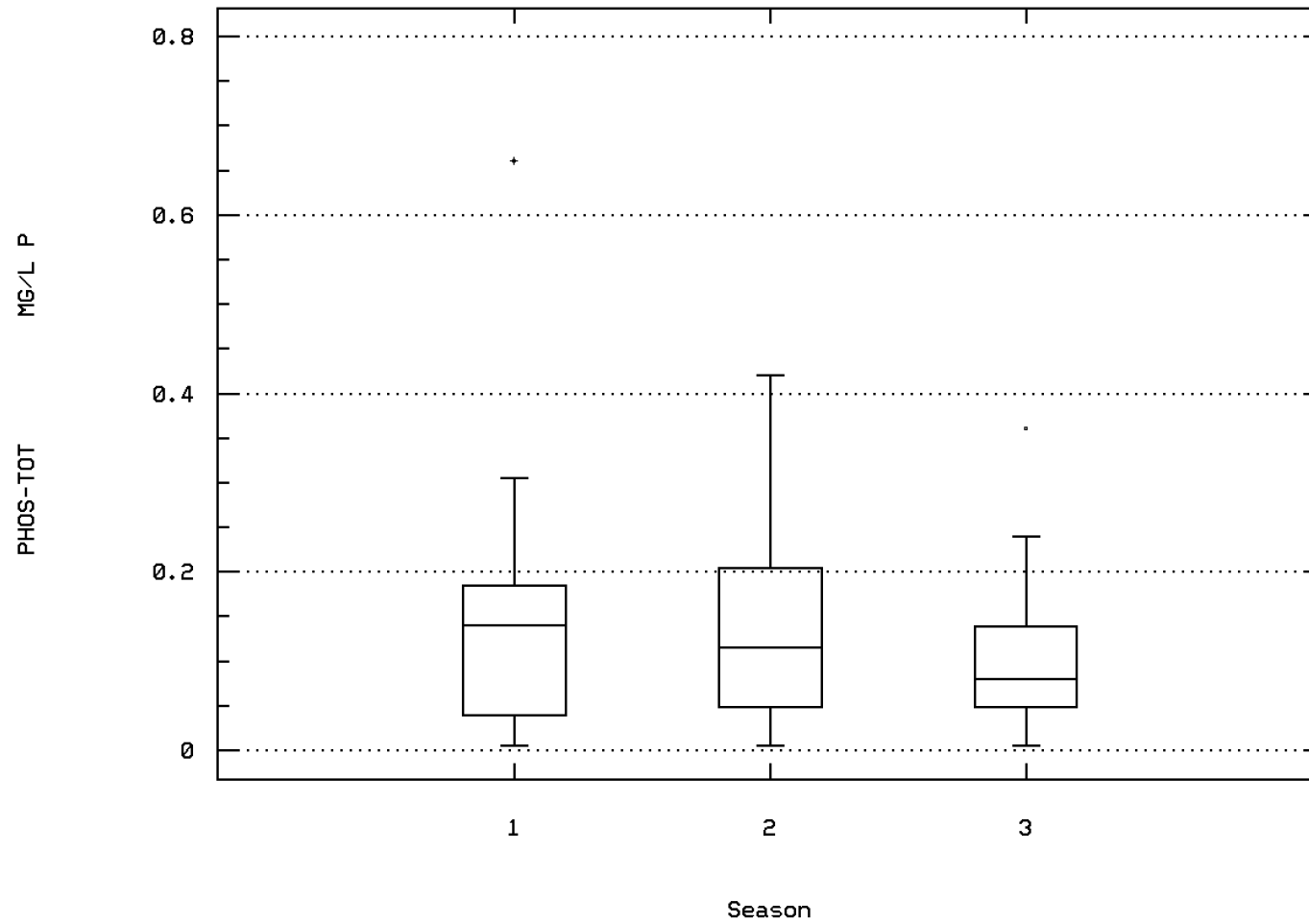
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00665

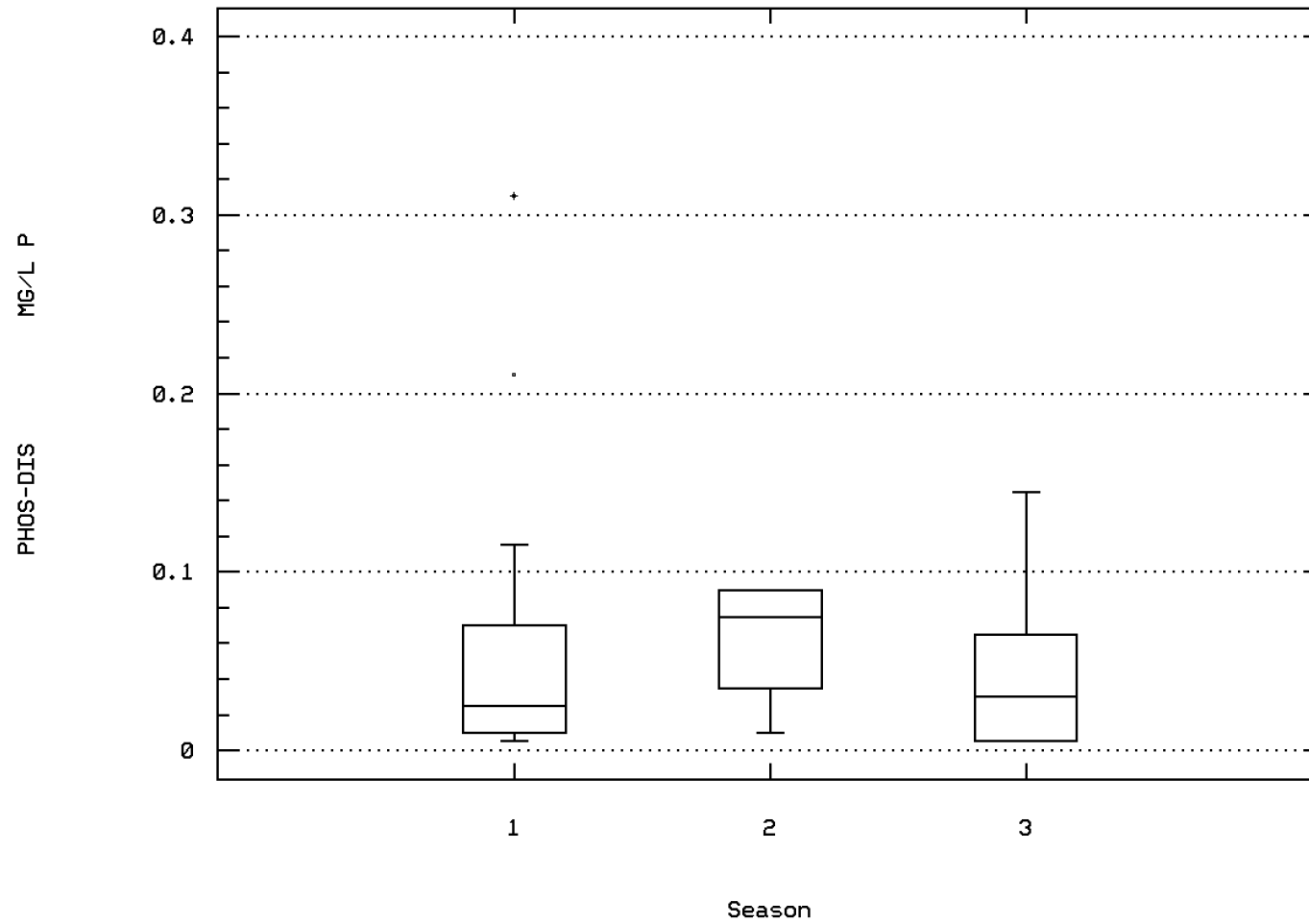
PHOSPHORUS, TOTAL (MG/L AS P)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00666

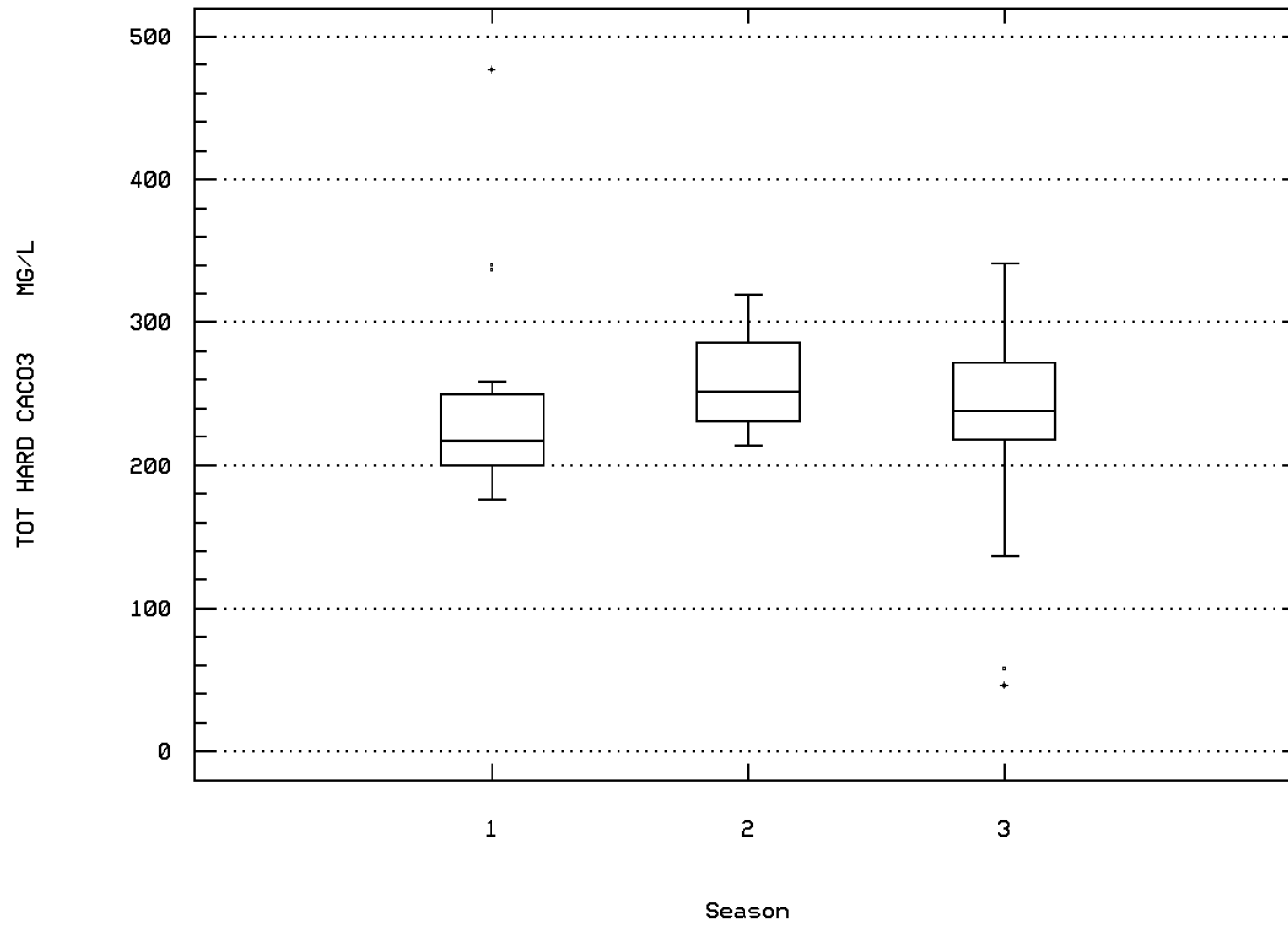
PHOSPHORUS, DISSOLVED (MG/L AS P)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00900

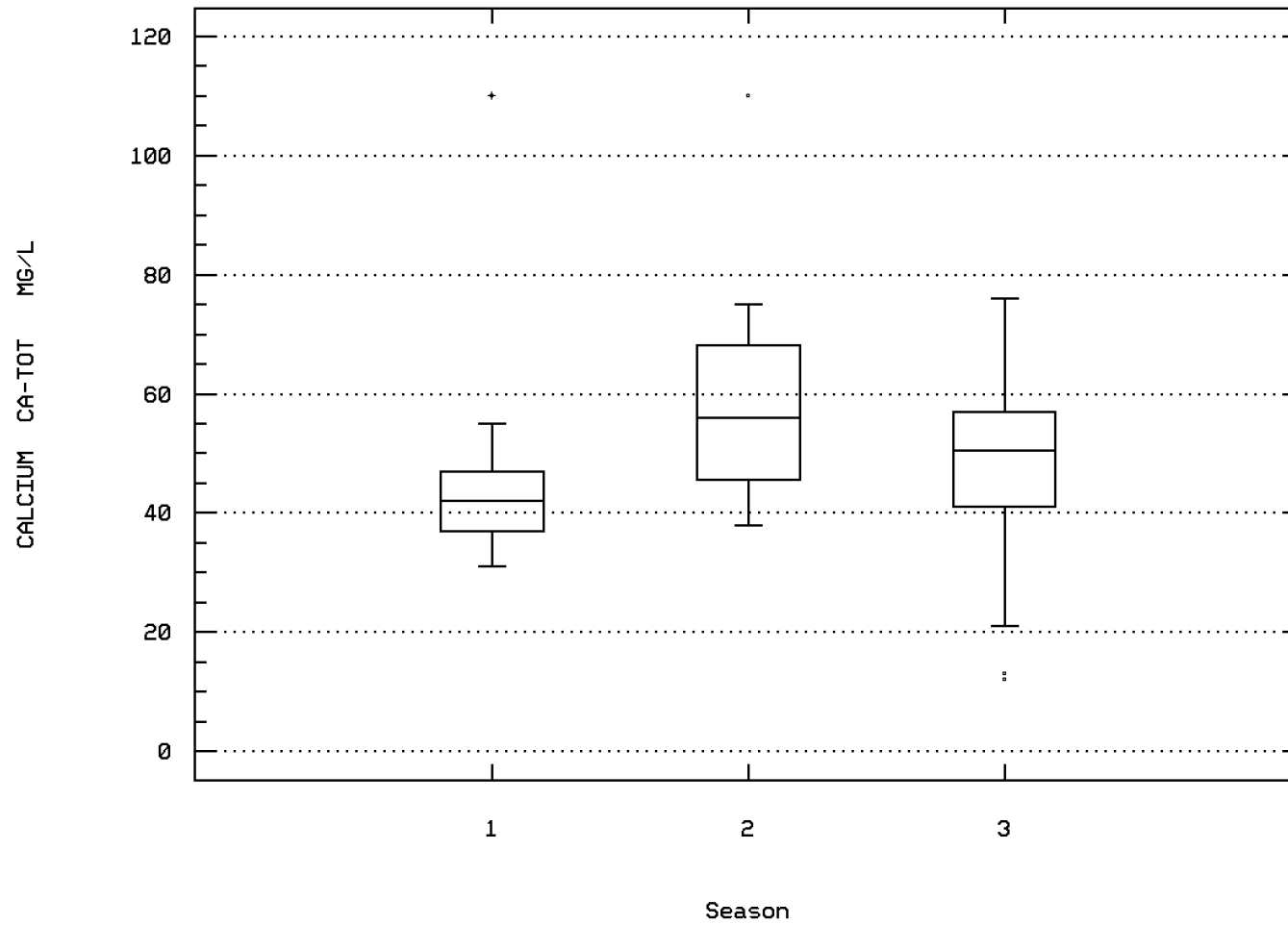
HARDNESS, TOTAL (MG/L AS CaCO3)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00916

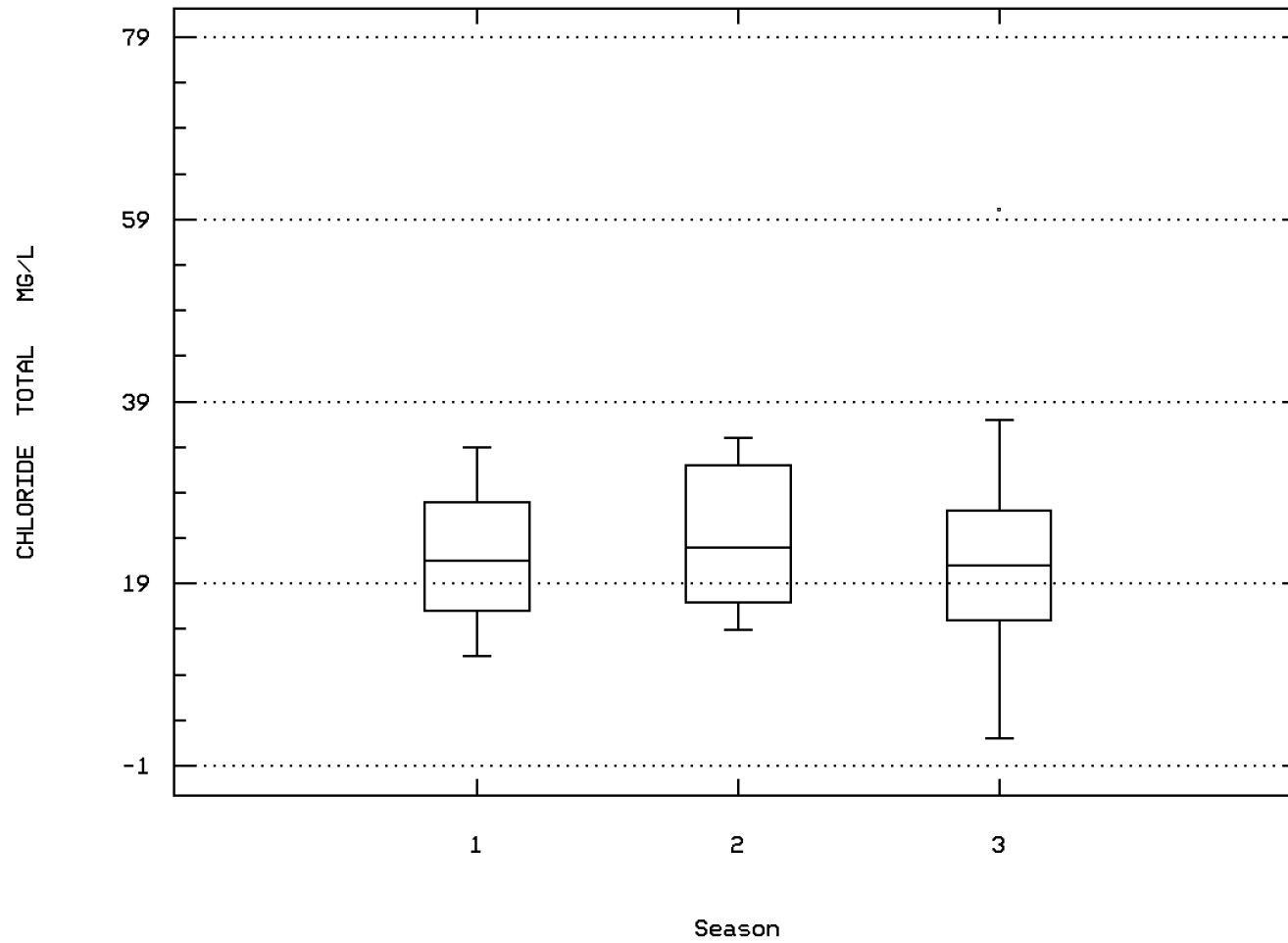
CALCIUM, TOTAL (MG/L AS CA)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00940

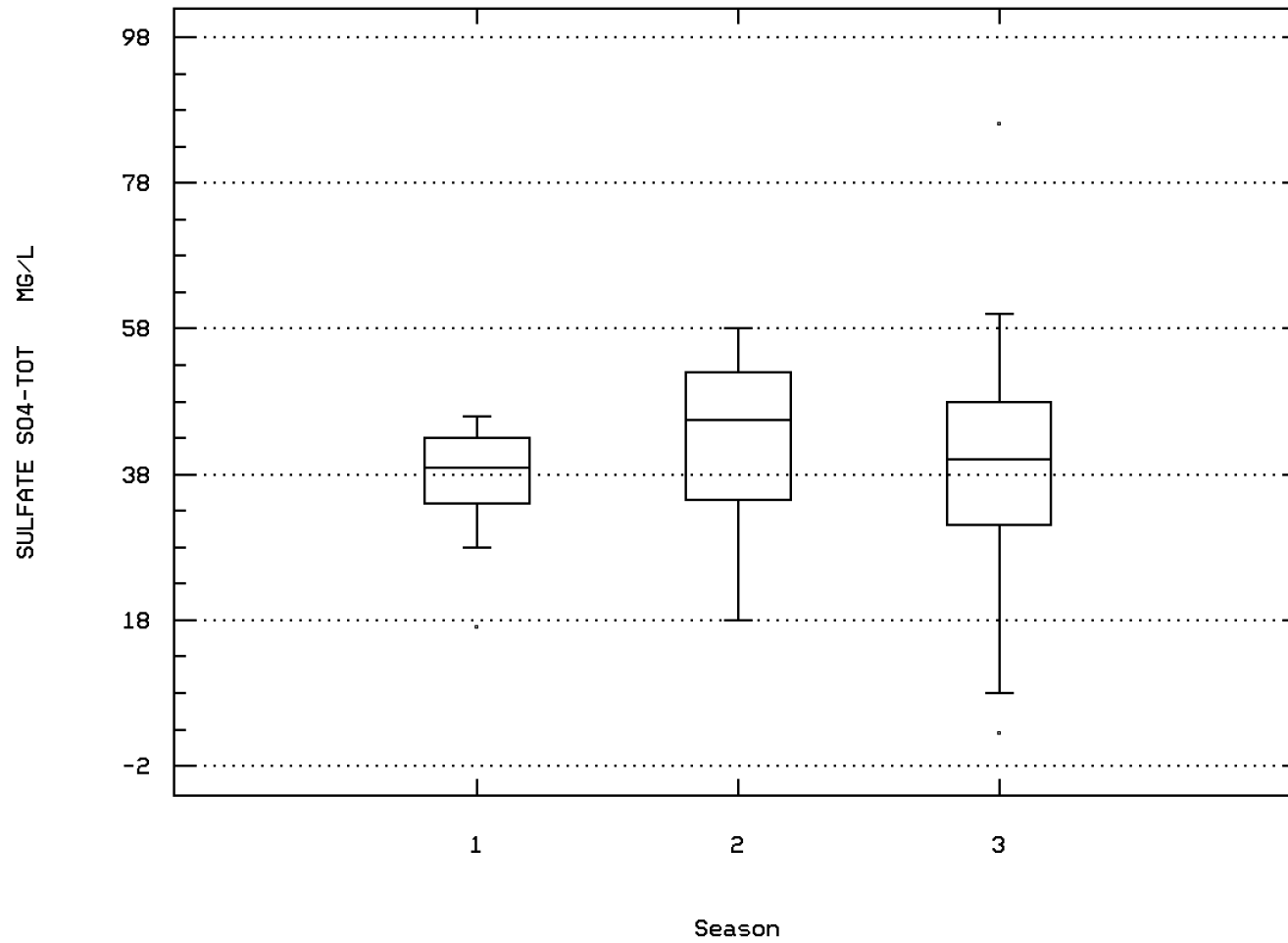
CHLORIDE, TOTAL IN WATER



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 00945

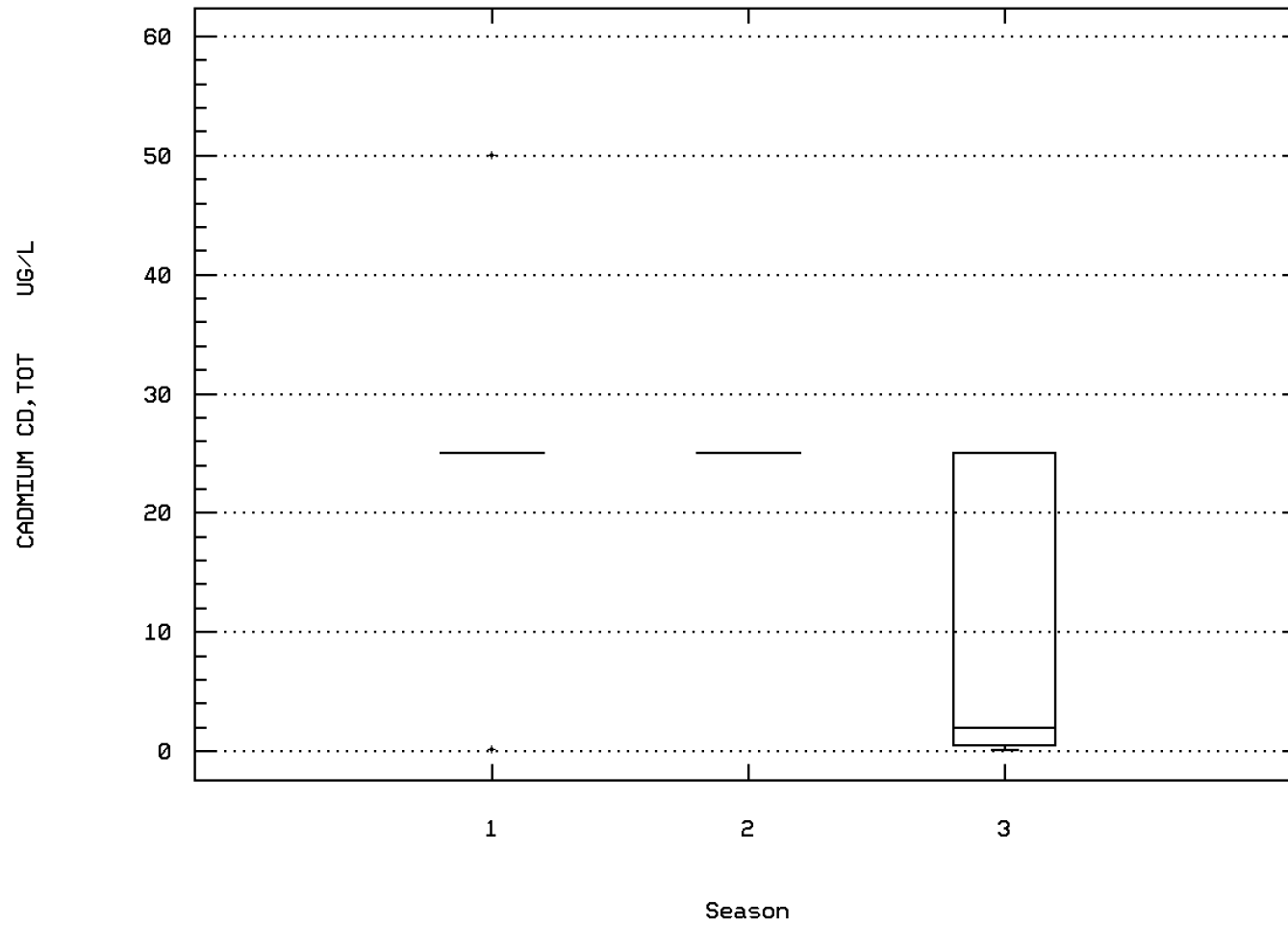
SULFATE, TOTAL (MG/L AS SO4)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 01027

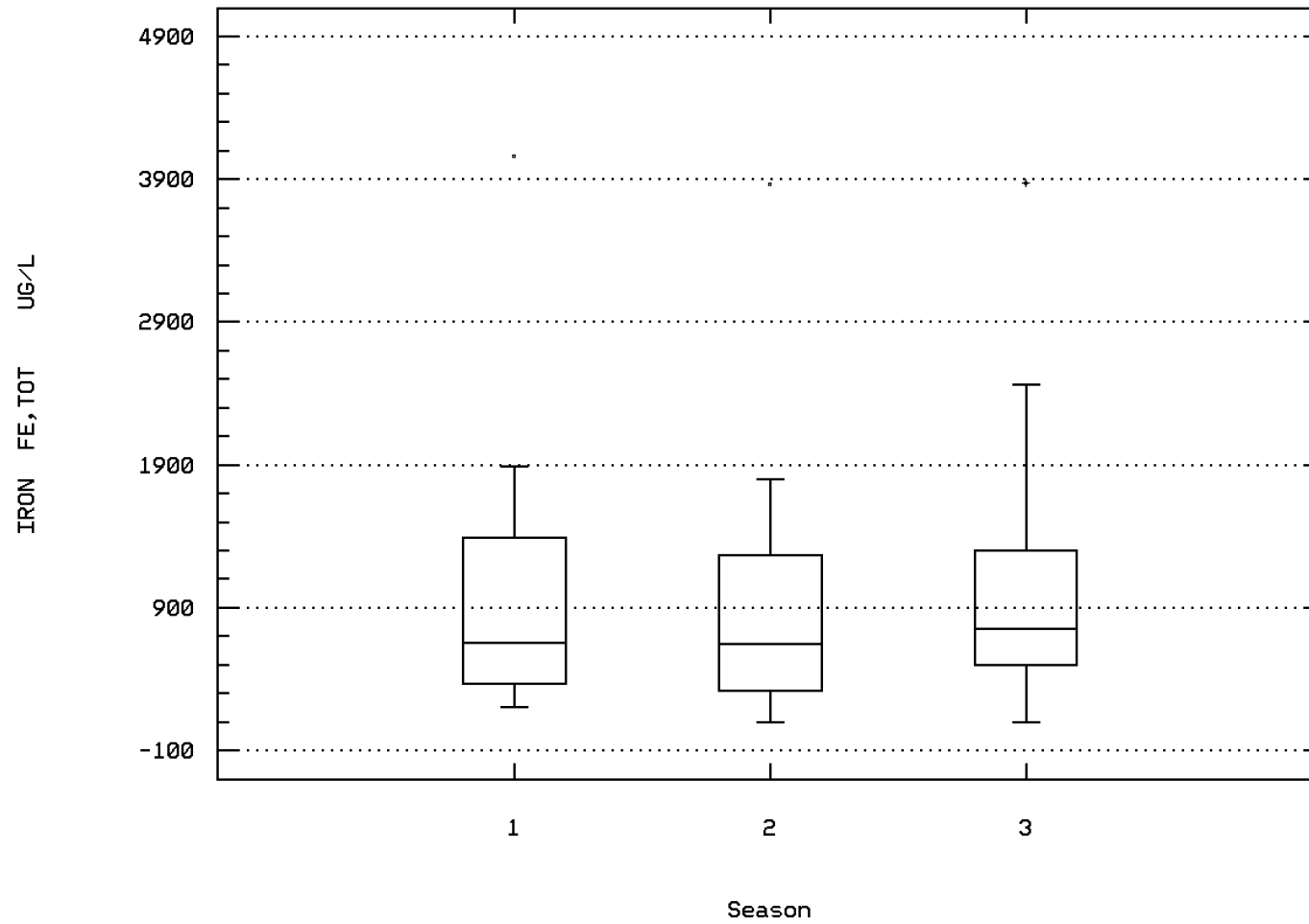
CADMIUM, TOTAL (UG/L AS CD)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 01045

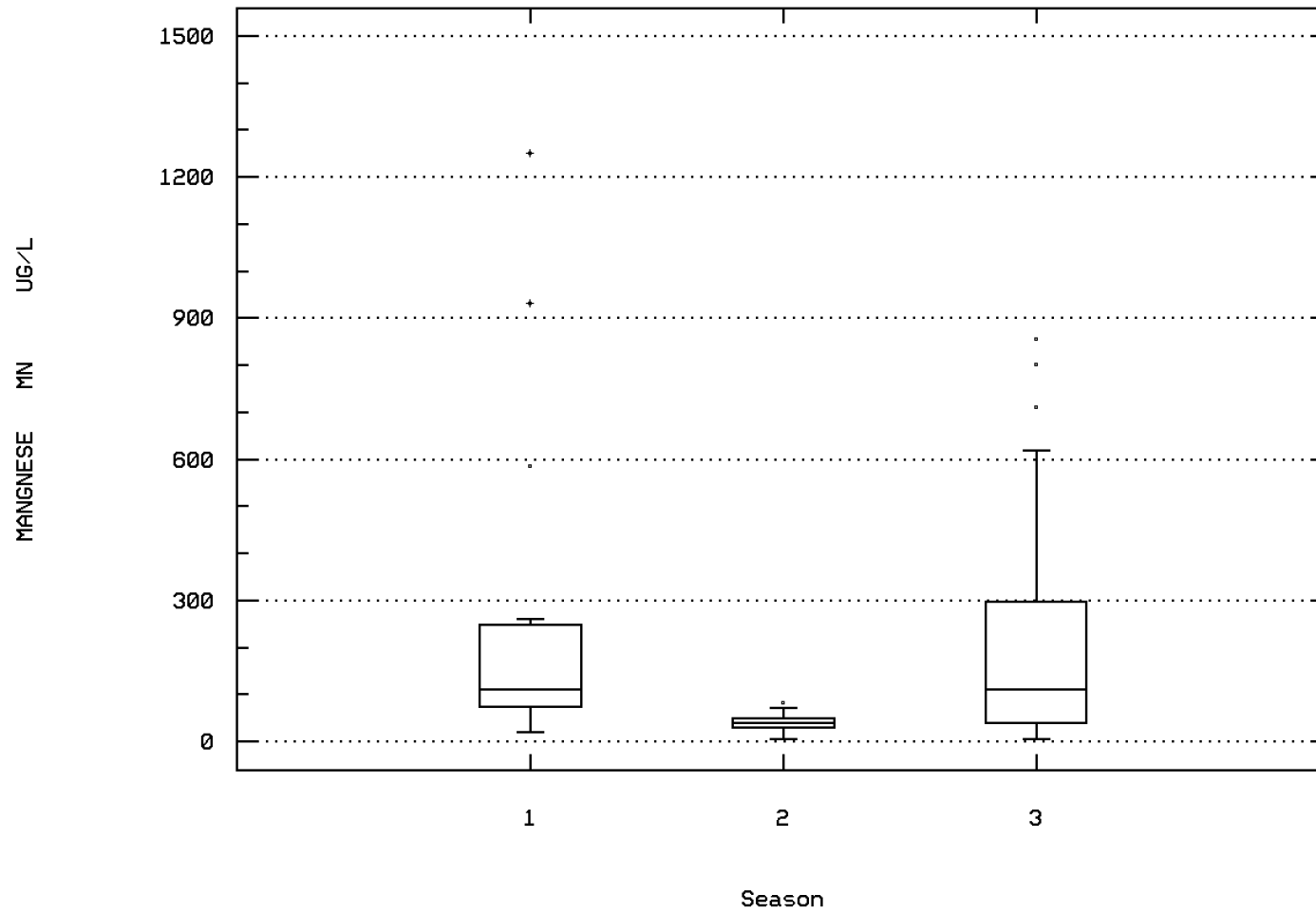
IRON, TOTAL (UG/L AS FE)



Outflow of Paint Creek Lake

Station: HOCU0053 Parameter Code: 01055

MANGANESE, TOTAL (UG/L AS MN)



Outflow of Paint Creek Lake

Station Inventory for Station: HOCU0054

NPS Station ID: HOCU0054 Location: ROCKY FORK NEAR MOUTH - ADJ ST. RT. 50 Station Type: /TYPA/AMBNT/STREAM/BIO RMI-Indexes: 1021500 007720 13190 1110 1190 RMI-Miles: 0953.80 0624.93 063.50 037.12 000.20 HUC: 05060003 Major Basin: OHIO RIVER Minor Basin: SCIOTO RIVER RF1 Index: 05060003 RF3 Index: 05060002092000.00 Description: PURPOSE - INTENSIVE SURVEY OF SELECTED SOUTHWEST OHIO RIVER TRIBUTARIES. LOCATION - HIGHLAND CO.; LOCATED ADJACENT TO ST. RT. 50 AND OLD ROUTE 50, NEAR THE MOUTH; AT THE POINT. OFFICE. SAMPLES ANALYZED BY THE OHIO EPA CHEMISTRY LABORATORY.	LAT/LON: 39.231115/ -83.346392 Depth of Water: 0 Elevation: 0 RF1 Mile Point: 0.000 RF3 Mile Point: 0.11	Agency: 21OHIO FIPS State/County: 39071 OHIO/HIGHLAND STORET Station ID(s): V10W43 Within Park Boundary: No Aquifer: Water Body Id: ECO Region: Distance from RF1: 6.30 Distance from RF3: 0.10 On/Off RF1: On/Off RF3:
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COLLECTION - SAMPLES COLLECTED BY THE OHIO EPA SOUTHWEST DISTRICT
U.S.G.S. QUADRANGLE - BAINBRIDGE, OHIO

Parameter Inventory for Station: HOCU0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/97-09/23/97	4	400.	386.25	416.	329.	1530.25	39.118	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/05/97-09/23/97	4 ##	1.	1.3	2.2	1.	0.36	0.6	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	08/05/97-09/23/97	4	22.5	26.5	56.	5.	459.	21.424	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/05/97-09/23/97	4	11.5	9.875	14.	2.5	27.063	5.202	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/05/97-09/23/97	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/05/97-09/23/97	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/05/97-09/23/97	4 ##	0.18	0.29	0.7	0.1	0.08	0.284	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/05/97-09/23/97	4	0.37	0.35	0.43	0.23	0.008	0.088	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/97-09/23/97	4	0.068	0.07	0.12	0.025	0.002	0.039	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/05/97-09/23/97	4	3.7	7.25	19.	2.6	62.057	7.878	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/05/97-09/23/97	4	200.5	196.25	220.	164.	560.25	23.67	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	08/05/97-09/23/97	4	45.	44.	50.	36.	34.667	5.888	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/05/97-09/23/97	4	21.5	21.	23.	18.	4.667	2.16	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS Na)	08/05/97-09/23/97	4	5.	5.	5.	5.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/05/97-09/23/97	4	2.5	17.5	63.	2.	920.333	30.337	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/05/97-09/23/97	4	8.	8.25	9.	8.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/97-09/23/97	4	21.5	22.	25.	20.	6.	2.449	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/05/97-09/23/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS Ba)	08/05/97-09/23/97	4	34.5	34.5	35.	34.	0.333	0.577	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/05/97-09/23/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/05/97-09/23/97	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/05/97-09/23/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/05/97-09/23/97	4	230.5	204.5	235.	122.	3033.667	55.079	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/05/97-09/23/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/97-09/23/97	4	38.5	39.	47.	32.	38.	6.164	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/05/97-09/23/97	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/05/97-09/23/97	4	70.5	70.5	78.	63.	37.667	6.137	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/05/97-09/23/97	4 ##	9.5	11.25	21.	5.	60.25	7.762	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/97-09/23/97	4 ##	100.	131.5	226.	100.	3969.	63.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/05/97-09/23/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/05/97-09/23/97	4	234.	227.5	242.	200.	374.333	19.348	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0054

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	08/05/97-09/23/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082 BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/05/97-09/23/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0054

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	2	0	0.00				2	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00				2	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	50.	4	0	0.00	2	0	0.00				2	0	0.00			
01007 BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00	2	0	0.00				2	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	5.	4	0	0.00	2	0	0.00				2	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	1300.	4	0	0.00	2	0	0.00				2	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	15.	4	0	0.00	2	0	0.00				2	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	5000.	4	0	0.00	2	0	0.00				2	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	50.	4	0	0.00	2	0	0.00				2	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	2	0	0.00				2	0	0.00			
	Drinking Water	2.	4	0	0.00	2	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0055

NPS Station ID: HOCU0055
Location: ROCKY FORK OF PAINT CK. OH
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes: 1021500 007720 13190 1110 0005
RMI-Miles: 0953.80 0624.60 063.80 033.77 000.26
HUC: 05060003
Major Basin: OHIO RIVER
Minor Basin: SCIOTO RIVER
RF1 Index: 05060003
RF3 Index: 05060002007802.73
Description:
LOCATED ON ROCKY FORK 0.26 MILES ABOVE THE MOUTH AT THE RT 50 BRIDGE.S
OH Quad. HIGHLAND COUNTY

LAT/LON: 39.230559/ -83.346948

Agency: 11COEHUN
FIPS State/County: 39071 OHIO/HIGHLAND
STORET Station ID(s): 1PCSW0020
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.03

Date Created: 12/06/80

On/Off RF1:
On/Off RF3:

Depth of Water: 5
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 3.45

AMPLED BY THE CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694 Bainbridge

Parameter Inventory for Station: HOCU0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	04/28/80-06/29/81	6	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/80-06/29/81	6	22.25	20.317	23.8	11.4	23.214	4.818	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/28/80-08/26/80	3	20.	17.667	21.	12.	24.333	4.933	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/80-08/26/80	5	250.	256.8	290.	222.	696.7	26.395	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/80-06/29/81	4	280.	280.75	380.	183.	8868.917	94.175	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/80-06/29/81	6	7.8	9.35	17.	7.2	14.395	3.794	**	**	**
00400	PH (STANDARD UNITS)	04/28/80-06/29/81	6	7.95	7.867	9.	6.8	0.583	0.763	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/28/80-06/29/81	6	7.925	7.398	9.	6.8	0.846	0.92	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/80-06/29/81	6	0.012	0.04	0.158	0.001	0.004	0.061	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0055

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00						6	0	0.00			
00400	PH	Fresh Chronic	9.	6	1	0.17						6	1	0.17			
		Other-Lo Lim.	6.5	6	0	0.00						6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0056

NPS Station ID: HOCU0056
 Location: PAINT C NR BAINBRIDGE OH
 Station Type: /TYPA/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060003
 Major Basin:
 Minor Basin:
 RF1 Index: 05060003024
 RF3 Index: 05060002007900.00
 Description:

LAT/LON: 39.252227/ -83.349448

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 1.610
 RF3 Mile Point: 0.14

Agency: 112WRD
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 03232470
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

Date Created: / /

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: HOCU0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/65-06/14/77	41	16.5	14.417	25.	0.	50.023	7.073	3.3	9.	20.5	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/26/74-06/14/77	6	25.5	22.75	30.5	10.5	50.875	7.133	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/08/65-09/23/71	21	81.	414.333	6020.	3.	1670319.933	1292.409	11.6	19.5	257.	482.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/18/71-06/14/77	31	284.	866.387	5820.	2.	2529206.178	1590.348	25.2	56.	658.	4498.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/65-06/14/77	52	611.5	595.615	772.	311.	9978.359	99.892	453.1	561.75	654.25	704.
00300	OXYGEN, DISSOLVED MG/L	09/26/74-06/14/77	7	9.2	9.414	11.8	6.5	3.411	1.847	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/26/74-06/14/77	7	94.	93.286	106.	75.	93.571	9.673	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/26/75-06/14/77	5	3.9	3.02	4.6	0.8	3.182	1.784	**	**	**	**
00400	PH (STANDARD UNITS)	11/08/65-06/14/77	27	8.	7.952	8.6	7.4	0.11	0.331	7.48	7.7	8.2	8.42
00400	CONVERTED PH (STANDARD UNITS)	11/08/65-06/14/77	27	8.	7.834	8.6	7.4	0.124	0.352	7.48	7.7	8.2	8.42
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/65-06/14/77	27	0.01	0.015	0.04	0.003	0.	0.011	0.004	0.006	0.02	0.033
00405	CARBON DIOXIDE (MG/L AS CO2)	08/17/72-06/14/77	11	5.2	7.873	17.	2.2	33.604	5.797	2.24	4.3	16.	17.
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/15/68-06/14/77	14	209.	220.071	277.	111.	2176.533	46.653	144.	197.	267.25	274.
00440	BICARBONATE ION (MG/L AS HCO3)	11/08/65-06/14/77	17	278.	276.824	338.	135.	3000.904	54.781	199.8	241.5	326.	331.6
00445	CARBONATE ION (MG/L AS CO3)	11/08/65-06/14/77	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	09/24/73-10/24/73	2	480.	480.	480.	480.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/74-06/14/77	7	0.25	0.486	1.2	0.14	0.212	0.461	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/14/77	11	0.03	0.034	0.09	0.005	0.001	0.029	0.005	0.005	0.06	0.084
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/24/72-07/18/73	7	4.6	4.557	8.4	1.3	5.356	2.314	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/24/73-06/14/77	11	2.5	2.404	5.5	0.32	2.928	1.711	0.37	0.75	3.7	5.3
00630	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	09/24/73-06/14/77	11	2.5	2.434	5.5	0.34	2.923	1.71	0.396	0.81	3.8	5.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/72-06/14/77	10	0.125	0.234	0.5	0.05	0.032	0.179	0.054	0.098	0.45	0.495
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/26/75-06/14/77	4	6.65	6.575	7.	6.	0.216	0.465	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/08/65-06/14/77	25	302.	287.08	342.	150.	2628.327	51.267	196.	250.	322.5	340.
00902	HARDNESS, NON-CARBONATE (MG/L AS CaCO3)	11/08/65-06/14/77	16	51.	54.125	100.	16.	488.383	22.099	18.1	42.5	70.5	91.6
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	10/24/73-06/14/77	9	54.	55.222	76.	35.	155.194	12.458	35.	48.	66.	76.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/73-06/14/77	9	28.	27.333	32.	15.	25.5	5.05	15.	26.5	30.5	32.
00930	SODIUM, DISSOLVED (MG/L AS Na)	09/26/74-06/14/77	7	7.8	8.186	11.	5.6	2.938	1.714	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/26/74-06/14/77	7	0.2	0.214	0.3	0.2	0.001	0.038	**	**	**	**
00932	SODIUM, PERCENT	09/26/74-06/14/77	7	7.	6.714	9.	5.	1.571	1.254	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/26/74-06/14/77	7	2.	2.029	2.8	1.2	0.269	0.519	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/08/65-06/14/77	35	23.	24.257	54.	11.	77.726	8.816	13.6	18.	29.	36.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/67-06/14/77	25	52.	49.32	60.	27.	92.643	9.625	29.6	44.5	57.	59.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/70-06/14/77	11	0.3	0.282	0.4	0.2	0.006	0.075	0.2	0.2	0.3	0.4
00951	FLUORIDE, TOTAL (MG/L AS F)	09/24/73-09/24/73	1	0.4	0.4	0.4	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SiO2)	09/26/74-06/14/77	7	4.5	4.257	6.2	1.4	2.236	1.495	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/26/75-06/14/77	5	2.	2.8	8.	1.	8.7	2.95	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/26/75-06/14/77	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
01042	COPPER, TOTAL (UG/L AS CU)	08/26/75-06/14/77	5 ##	10.	7.	10.	2.	17.	4.123	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/26/74-06/14/77	7	20.	32.143	80.	5.	632.143	25.142	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/26/75-06/14/77	5	3.	2.	4.	0.	3.5	1.871	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/26/74-06/14/77	7	40.	211.429	810.	5.	106639.286	326.557	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/26/75-06/14/77	5 ##	10.	16.	40.	0.	230.	15.166	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	11/08/65-08/17/72	7	358.	373.857	416.	351.	699.476	26.448	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/26/74-06/14/77	7	278.	270.143	316.	169.	2438.476	49.381	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/08/65-06/14/77	12	23.2	252.946	2410.	1.35	466695.328	683.151	5.655	17.875	110.45	1765.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/15/68-06/14/77	11	0.43	0.428	0.57	0.23	0.01	0.1	0.254	0.37	0.52	0.566
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/02/70-07/18/73	12	16.	15.75	37.	4.4	97.905	9.895	4.79	5.875	20.75	34.3
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/02/70-08/17/72	3	1.2	1.173	1.6	0.72	0.194	0.441	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/26/75-06/14/77	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0056

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	1	0	0.00	1	0	0.00	5	0	0.00		
00400	PH	Fresh Chronic	9.	27	0	0.00	7	0	0.00	6	0	0.00	14	0	0.00		
		Other-Lo Lim.	6.5	27	0	0.00	7	0	0.00	6	0	0.00	14	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	7	0	0.00				2	0	0.00	5	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	2	0	0.00	6	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	35	0	0.00	7	0	0.00	11	0	0.00	17	0	0.00		
		Drinking Water	250.	35	0	0.00	7	0	0.00	11	0	0.00	17	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	25	0	0.00	6	0	0.00	5	0	0.00	14	0	0.00		
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	11	0	0.00	4	0	0.00	1	0	0.00	6	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00								
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00				1	0	0.00	4	0	0.00		
		Drinking Water	50.	5	0	0.00				1	0	0.00	4	0	0.00		
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00				1	0	0.00	4	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00				1	0	0.00	4	0	0.00		
		Drinking Water	1300.	5	0	0.00				1	0	0.00	4	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00				1	0	0.00	4	0	0.00		
		Drinking Water	15.	5	0	0.00				1	0	0.00	4	0	0.00		
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00				1	0	0.00	4	0	0.00		
		Drinking Water	5000.	5	0	0.00				1	0	0.00	4	0	0.00		
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	12	0	0.00	2	0	0.00	3	0	0.00	7	0	0.00		
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00				1	0	0.00	4	0	0.00		
		Drinking Water	2.	5	0	0.00				1	0	0.00	4	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/65-06/14/77	9	18.5	19.189	25.	13.5	10.496	3.24	13.5	17.5	25.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/65-06/14/77	10	628.5	628.1	710.	500.	4514.322	67.189	506.	590.	709.4
00400	PH (STANDARD UNITS)	11/08/65-06/14/77	7	7.6	7.686	8.	7.4	0.058	0.241	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/08/65-06/14/77	7	7.6	7.632	8.	7.4	0.061	0.248	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/65-06/14/77	7	0.025	0.023	0.04	0.01	0.	0.012	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/08/65-06/14/77	6	298.	295.5	330.	250.	792.7	28.155	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	11/08/65-06/14/77	7	29.	27.857	39.	15.	52.143	7.221	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/67-06/14/77	6	52.	51.333	58.	38.	54.267	7.367	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/65-06/14/77	13	8.	6.992	13.9	0.	20.676	4.547	0.4	2.25	10.25
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/65-06/14/77	18	637.5	614.444	772.	312.	13849.673	117.685	352.5	569.75	756.7
00400	PH (STANDARD UNITS)	11/08/65-06/14/77	6	8.1	8.117	8.5	7.9	0.054	0.232	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/08/65-06/14/77	6	8.089	8.071	8.5	7.9	0.056	0.237	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/65-06/14/77	6	0.008	0.008	0.013	0.003	0.	0.004	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/08/65-06/14/77	5	310.	320.4	342.	300.	370.8	19.256	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	11/08/65-06/14/77	11	22.	24.909	54.	11.	127.291	11.282	12.	20.	50.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/67-06/14/77	5	55.	56.2	60.	52.	10.7	3.271	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/08/65-06/14/77	19	18.5	17.237	24.5	6.5	33.121	5.755	9.	11.5	23.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/08/65-06/14/77	24	591.	567.958	663.	311.	8588.303	92.673	385.	536.25	655.5
00400	PH (STANDARD UNITS)	11/08/65-06/14/77	14	8.05	8.014	8.6	7.4	0.117	0.342	7.45	7.775	8.5
00400	CONVERTED PH (STANDARD UNITS)	11/08/65-06/14/77	14	8.047	7.887	8.6	7.4	0.134	0.366	7.45	7.775	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/08/65-06/14/77	14	0.009	0.013	0.04	0.003	0.	0.011	0.003	0.006	0.036
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/08/65-06/14/77	14	300.	271.571	340.	150.	3714.571	60.947	155.	242.5	335.
00940	CHLORIDE, TOTAL IN WATER MG/L	11/08/65-06/14/77	17	22.	22.353	39.	12.	56.243	7.5	12.8	16.	33.4
00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/67-06/14/77	14	48.	46.	59.	27.	114.923	10.72	28.	39.	58.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0057

NPS Station ID: HOCU0057
 Location: Paint Creek Lake, Main Lake Station
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 037.10
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060002007802.73
 Description:

LAT/LON: 39.248615/ -83.355837

Depth of Water: 80
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 2.86

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1PCSW0014
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.03

On/Off RF1:
 On/Off RF3:

LOCATED IN OHIO ON PAINT CREEK RESERVOIR OF PAINT CREEK ABOUT 400 FEETA BOVE DAM AT THE DEEPEST LOCATION, BAINBRIDGE OH QUAD. GRAB SAMPLED BY AR MY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694 ROSS COUNTY

Parameter Inventory for Station: HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	2119	18.	18.993	75.	0.	186.784	13.667	2.	7.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	1660	21.1	19.896	29.9	2.8	29.617	5.442	12.4	16.6	23.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	82	20.	20.232	32.	2.	48.6	6.971	11.2	17.	26.
00031p	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	222	5.3	16.483	100.	0.	530.222	23.027	0.1	1.075	24.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	631	36.	36.881	99.	0.	539.916	23.236	6.66	17.	56.
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	268	39.5	54.49	201.	0.5	2730.043	52.25	2.09	9.	76.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/10/76-10/29/96	40	31.	31.075	78.	3.	198.635	14.094	12.6	24.	37.
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	1175	295.	285.5	635.	-250.	28439.025	168.639	50.	179.	432.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/29/80-08/10/83	343	515.	515.242	710.	355.	4938.856	70.277	428.4	454.	566.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	1271	488.	476.884	748.	50.	12953.841	113.815	383.	423.	550.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	1660	4.1	4.875	23.5	0.	19.47	4.412	0.	0.5	7.7
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	1604	7.6	7.701	9.9	3.5	0.331	0.575	7.2	7.4	8.
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	1604	7.6	5.883	9.9	3.5	3.64	1.908	7.2	7.4	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	1604	0.025	1.31	316.228	0.	304.487	17.45	0.004	0.01	0.04
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	228	180.5	184.092	506.	0.5	4216.355	64.933	120.	148.25	208.75
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	200	344.	345.5	573.	24.	5794.804	76.124	258.3	301.	394.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/17/75-09/22/77	71	118.	129.507	400.	43.	2822.825	53.13	78.2	97.	157.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	04/28/81-09/18/96	87	304.	311.184	474.	5.	9828.71	99.14	215.4	241.	396.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	196	13.	25.482	338.	2.	1825.557	42.727	2.5	5.	24.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/29/96-09/18/96	24	0.16	0.246	0.83	0.01	0.065	0.254	0.01	0.03	0.405
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	268	0.195	0.489	8.3	0.01	1.012	1.006	0.025	0.05	0.458
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	04/03/96-09/18/96	25	0.15	0.359	1.	0.01	0.143	0.378	0.01	0.05	0.87
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	273	0.8	1.238	43.	0.01	8.024	2.833	0.3	0.6	1.2
00630p	NITRITE PLUS NITRATE, TOTAL, I DET. (MG/L AS N)	11/12/74-09/18/96	266	3.09	5.447	480.	0.025	863.797	29.39	0.05	1.135	5.2
00631	NITRITE PLUS NITRATE, DISS. I DET. (MG/L AS N)	05/29/96-09/18/96	27	2.3	2.419	4.5	0.025	1.615	1.271	0.6	1.2	3.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	270	0.075	0.108	1.52	0.005	0.023	0.15	0.005	0.04	0.13
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	249	0.02	0.048	0.76	0.005	0.006	0.078	0.005	0.005	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/81-09/18/96	97	4.6	5.136	18.	0.5	10.766	3.281	2.	3.	6.6
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/03/96-09/18/96	33	4.3	3.945	9.4	1.3	3.659	1.913	1.3	2.1	5.05
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	240	249.5	252.706	476.	2.5	2875.948	53.628	195.1	217.5	288.75
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	04/28/81-08/10/83	43	42.	42.302	73.	6.	216.597	14.717	27.4	37.	47.
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	246	50.	52.372	129.	4.7	319.739	17.881	33.	40.75	61.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/81-08/10/83	43	25.	24.049	34.	12.	34.184	5.847	16.	19.	28.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	231	26.	28.308	52.	5.	50.356	7.096	22.	24.	32.	38.
00929p	SODIUM, TOTAL (MG/L AS NA)	04/17/75-09/04/96	233	7.3	9.657	393.	1.8	650.199	25.499	5.	6.	9.7	12.
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/81-08/10/83	43	6.	5.447	8.	1.	1.89	1.375	3.	5.	6.	7.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/81-08/10/83	43	1.	1.279	3.	0.5	0.575	0.758	0.5	0.5	2.	2.
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	211	2.2	2.63	12.	0.5	3.393	1.842	1.3	1.82	3.	3.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	264	21.	21.432	60.	1.	65.839	8.114	14.	17.	24.	30.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	276	44.	41.161	89.	0.	217.895	14.761	22.7	34.	48.	56.
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	02/04/75-11/06/75	26 ##	10.	8.404	25.	2.5	36.24	6.02	2.5	2.5	10.	14.5
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/12/86-05/12/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/26/81-09/04/96	10 ##	1.	2.6	11.	1.	10.267	3.204	1.	1.	4.	10.3
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/28/81-08/10/83	43	47.	46.047	75.	22.	108.331	10.408	28.8	41.	52.	57.6
01007	BARIUM, TOTAL (UG/L AS BA)	04/28/81-03/31/87	52	57.	62.519	173.	28.	820.255	28.64	40.	50.	66.5	81.8
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	04/28/81-08/10/83	43 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/28/81-03/31/87	52 ##	0.5	1.481	8.	0.5	3.755	1.938	0.5	0.5	1.	5.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	122 ##	25.	15.365	25.	0.5	144.31	12.013	0.5	0.5	25.	25.
01027p	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	164 ##	25.	16.637	25.	0.1	135.81	11.654	0.5	0.5	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	134 ##	25.	16.44	25.	0.5	132.989	11.532	0.5	0.5	25.	25.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	170 ##	25.	17.041	25.	0.5	126.912	11.266	0.5	2.	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	05/21/76-05/12/86	41 ##	25.	19.22	25.	2.5	95.913	9.794	2.5	7.75	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	90 ##	25.	21.2	80.	2.	131.999	11.489	2.5	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	265	553.	979.1	24750.	2.	3536931.964	1880.673	120.	246.5	1115.	2162.
01046	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	205 ##	50.	152.61	4000.	50.	243216.318	493.17	50.	50.	50.	108.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/21/76-05/12/86	36 ##	25.	17.833	25.	1.	120.543	10.979	1.	1.5	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	90 ##	25.	20.183	25.	0.5	93.39	9.664	1.	25.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	265	47.	194.887	4360.	5.	184278.025	429.276	10.	20.	147.	531.6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	205	10.	167.405	2545.	5.	133637.213	365.564	5.	10.	125.	522.
01057	THALLIUM, DISSOLVED (UG/L AS TL)	04/28/81-08/10/82	39	200.	220.359	500.	50.	19132.92	138.322	50.	50.	300.	400.
01059	THALLIUM, TOTAL (UG/L AS TL)	05/27/81-05/11/82	30	300.	260.8	507.	50.	21446.51	146.446	50.	152.5	325.	500.
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/26/81-05/12/86	11 ##	2.5	2.818	6.	2.5	1.114	1.055	2.5	2.5	2.5	5.3
01067	NICKEL, TOTAL (UG/L AS NI)	11/12/74-09/04/96	54 ##	25.	20.269	75.	2.5	178.233	13.35	2.5	10.	25.	25.
01077	SILVER, TOTAL (UG/L AS AG)	04/17/75-11/06/75	21 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	158 ##	50.	39.703	200.	25.	355.319	18.85	25.	25.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	203 ##	50.	49.938	200.	2.5	1402.839	37.454	25.	25.	50.	100.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	04/28/81-08/10/83	43 ##	50.	43.721	50.	5.	248.92	15.777	5.	50.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/27/81-03/17/87	44 ##	50.	49.136	50.	12.	32.818	5.729	50.	50.	50.	50.
01102	TIN, TOTAL (UG/L AS SN)	04/17/75-11/06/75	21 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	96	250.	705.688	12120.	25.	1912437.586	1382.909	147.5	230.	678.75	1720.8
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/21/76-08/10/83	73 ##	100.	143.904	570.	25.	12657.81	112.507	25.	25.	250.	250.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/12/86-05/12/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/26/81-08/26/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03644	BENZO(A)ANTHRACENE,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03645	BENZO(B)FLUORANTHENE,LIQUID FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03646	BENZ(K)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03647	BENZO(GH)PERYLENE,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03649	BIS(2-CHLOROETHOXY)METHANE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03650	BIS(2-CHLOROETHYL)ETHER,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03651	BIS(2-CHLOROISOPROPYL)ETHER,LIQ FRAC,ELUTRIAT UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03652	BIS(2-ETHYLHEXYL)PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03653	BROMOPHENYL,4-PHENYL ETHER,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03654	N-BUTYL BENZYL PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03655	CHLORONAPHTHALENE,2-,LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03656	CHLOROPHENYL,4- PHENYL ETHER,LIQ FRAC,ELUTRIA UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03658	DIBENZO(A,H)ANTHRACENE,LIQUID FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03659	DI-N-BUTYL PHTHALATE,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03660	DICHLOROBENZENE,1,2-,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03661	DICHLOROBENZENE,1,3-,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03662	DICHLOROBENZENE,1,4-,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03663	DICHLOROBENZIDENE,3,3-,LIQUID FRAC. ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03665	DIMETHYL PHTHALATE, LIQUID FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03668	DI-N-OCTYL PHTHALATE,LIQUID FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03671	HEXACHLORO BENZENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03673	HEXACHLOROCYCLOPENTADIENE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03675	INDENO(1,2,3-CD) PYRENE,LIQUID FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03679	N-NITROSODIMETHYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03680	N-NITROSODIPHENYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03681	N-NITROSO-DI-N-PROPYLAMINE,LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03684	TRICHLOROBENZENE,1,2,4-, LIQ FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1	5.	5.	5.	5.	0.	0.	**	**	**	**
03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03737	GAMMA-BHC (LINDANE),LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03748	ENDOSULFAN SULFATE,LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03749	HEPTACHLOR, LIQUID, FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
03763	TRICHLOROPHENOL,2,4,6-LIQ FRAC,ELUTRIATE UG/L	05/12/86-05/12/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	294	15.99	23.364	115.6	1.22	472.139	21.729	3.685	6.825	35.148
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	272	10.995	18.693	114.38	0.5	377.576	19.431	1.411	3.84	29.15
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	237	1.18	1.851	13.21	0.5	3.963	1.991	0.5	0.5	2.32
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	271	5.84	7.778	154.52	0.5	144.033	12.001	1.642	3.5	8.36
32219p	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	267	1.4	1.407	1.7	1.	0.03	0.174	1.2	1.3	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	79	1.4	2.363	8.7	0.5	5.494	2.344	0.5	0.5	3.4
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	98	2.8	3.762	10.	0.5	10.706	3.272	0.5	0.5	5.95
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/96-10/29/96	412	35.	52.371	270.	10.	1980.176	44.499	14.	20.	70.
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/27/81-08/10/83	34	0.2	0.471	2.4	0.	0.423	0.65	0.	0.	0.55
82537	TURBIDITY, FORWARD SCATTER JTU	04/28/81-03/31/87	282	25.	33.702	280.	5.	992.601	31.506	10.	15.	45.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0057

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	268	121	0.45	83	45	0.54	18	4	0.22	167	72	0.43		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1660	829	0.50	395	240	0.61	53	0	0.00	1212	589	0.49		
00400	PH	Fresh Chronic	9.	1604	23	0.01	395	0	0.00	43	0	0.00	1166	23	0.02		
		Other-Lo Lim.	6.5	1604	12	0.01	395	0	0.00	43	0	0.00	1166	12	0.01		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	266	14	0.05	49	0	0.00	20	5	0.25	197	9	0.05		
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	27	0	0.00	6	0	0.00				21	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	264	0	0.00	48	0	0.00	19	0	0.00	197	0	0.00		
		Drinking Water	250.	264	0	0.00	48	0	0.00	19	0	0.00	197	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	276	0	0.00	45	0	0.00	19	0	0.00	212	0	0.00		
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	26	0	0.00	3	0	0.00	7	0	0.00	16	0	0.00		
		Drinking Water	50.	26	0	0.00	3	0	0.00	7	0	0.00	16	0	0.00		
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00		
		Drinking Water	50.	1	0	0.00							1	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	3	0	0.00				7	0	0.00		
		Drinking Water	50.	10	0	0.00	3	0	0.00				7	0	0.00		
01005	BARIUM, DISSOLVED	Drinking Water	2000.	43	0	0.00	5	0	0.00				38	0	0.00		
01007	BARIUM, TOTAL	Drinking Water	2000.	52	0	0.00	5	0	0.00	3	0	0.00	44	0	0.00		
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	43	0	0.00	5	0	0.00				38	0	0.00		
		Drinking Water	4.	43	0	0.00	5	0	0.00				38	0	0.00		
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	52	0	0.00	5	0	0.00	3	0	0.00	44	0	0.00		
		Drinking Water	4.	43 &	1	0.02	5	0	0.00				38	1	0.03		
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	48 &	0	0.00							48	0	0.00		
		Drinking Water	5.	48 &	0	0.00							48	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	56 &	1	0.02	3	0	0.00				53	1	0.02		
		Drinking Water	5.	56 &	0	0.00	3	0	0.00				53	0	0.00		
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	134	0	0.00	30	0	0.00				104	0	0.00		
01034	CHROMIUM, TOTAL	Drinking Water	100.	170	0	0.00	36	0	0.00	3	0	0.00	131	0	0.00		
01040	COPPER, DISSOLVED	Fresh Acute	18.	11 &	0	0.00							11	0	0.00		
		Drinking Water	1300.	41	0	0.00	10	0	0.00				31	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	21 &	2	0.10	3	0	0.00	2	2	1.00	16	0	0.00		
		Drinking Water	1300.	90	0	0.00	16	0	0.00	17	0	0.00	57	0	0.00		
01049	LEAD, DISSOLVED	Fresh Acute	82.	36	0	0.00	10	0	0.00				26	0	0.00		
		Drinking Water	15.	11 &	0	0.00							11	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	90	0	0.00	16	0	0.00	17	0	0.00	57	0	0.00		
		Drinking Water	15.	19 &	1	0.05	3	0	0.00				16	1	0.06		
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	39	0	0.00	5	0	0.00				34	0	0.00		
		Drinking Water	2.	29 &	29	1.00	5	5	1.00				24	24	1.00		
01059	THALLIUM, TOTAL	Fresh Acute	1400.	30	0	0.00	5	0	0.00				25	0	0.00		
		Drinking Water	2.	24 &	24	1.00	5	5	1.00				19	19	1.00		
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	11	0	0.00							11	0	0.00		
		Drinking Water	100.	11	0	0.00							11	0	0.00		
01067	NICKEL, TOTAL	Fresh Acute	1400.	54	0	0.00	6	0	0.00	17	0	0.00	31	0	0.00		
		Drinking Water	100.	54	0	0.00	6	0	0.00	17	0	0.00	31	0	0.00		

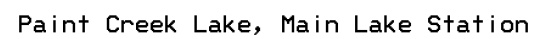
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0057

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01077 SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
	Drinking Water	100.	21	0	0.00	3	0	0.00	3	0	0.00	15	0	0.00			
01090 ZINC, DISSOLVED	Fresh Acute	120.	158	1	0.01	30	1	0.03				128	0	0.00			
	Drinking Water	5000.	158	0	0.00	30	0	0.00				128	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	203	14	0.07	36	6	0.17	10	0	0.00	157	8	0.05			
	Drinking Water	5000.	203	0	0.00	36	0	0.00	10	0	0.00	157	0	0.00			
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	43	0	0.00	5	0	0.00				38	0	0.00			
	Drinking Water	6.	6 &	0	0.00							6	0	0.00			
01097 ANTIMONY, TOTAL	Fresh Acute	88.	44	0	0.00	5	0	0.00	3	0	0.00	36	0	0.00			
	Drinking Water	6.	1 &	1	1.00							1	1	1.00			
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
03648 BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIA	Drinking Water	0.2	0 &	0	0.00												
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	79	33	0.42	14	8	0.57				65	25	0.38			
	Drinking Water	2.	79	38	0.48	14	9	0.64				65	29	0.45			
71900 MERCURY, TOTAL	Fresh Acute	2.4	98	56	0.57	16	10	0.63	14	12	0.86	68	34	0.50			
	Drinking Water	2.	98	59	0.60	16	11	0.69	14	13	0.93	68	35	0.51			
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	412	164	0.40	133	48	0.36				279	116	0.42			

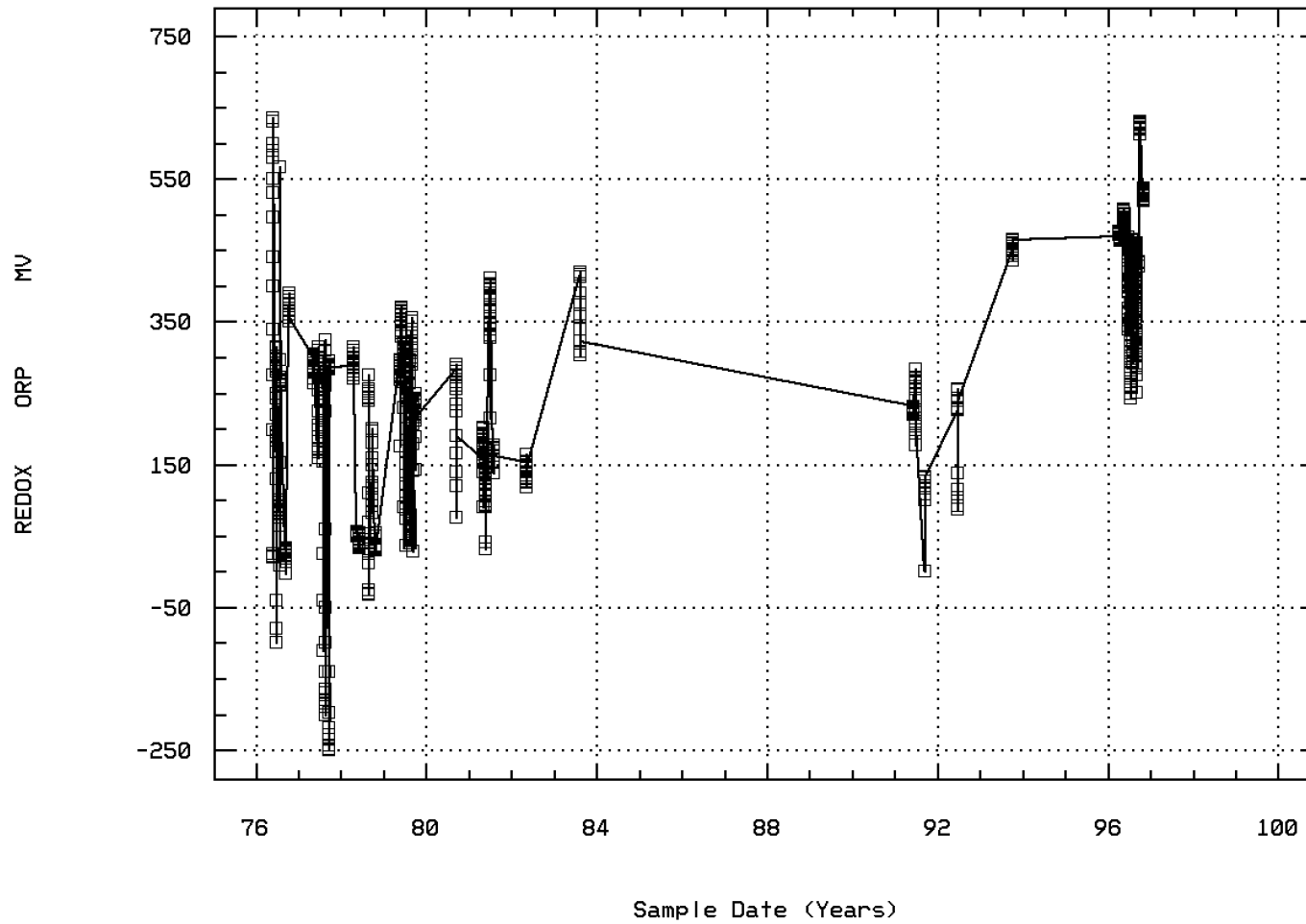
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

LIGHT, INCIDENT, PERCENT REMAING AT CERT



Station: HOCU0057 Parameter Code: 00090

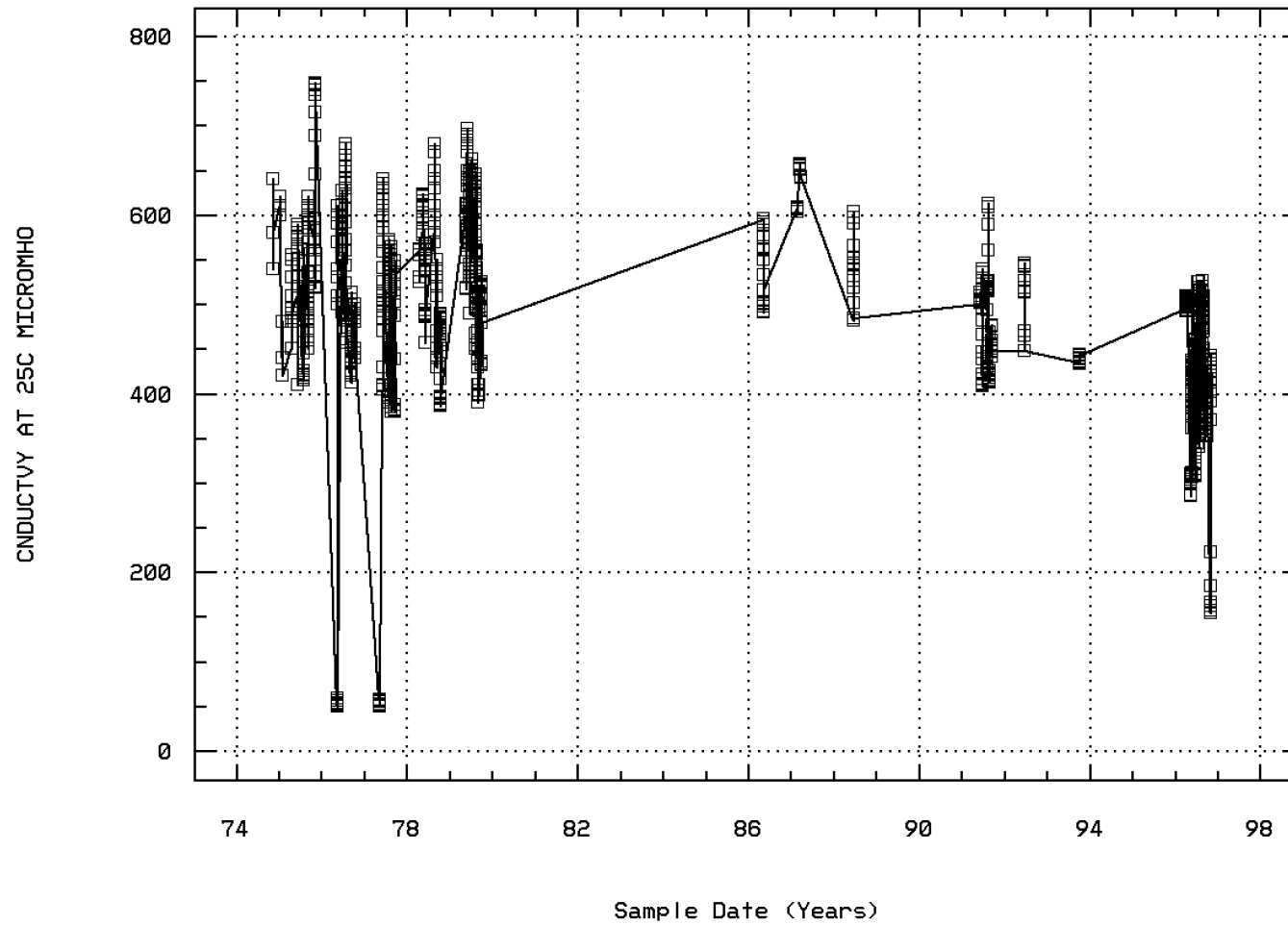
OXIDATION REDUCTION POTENTIAL (MILLIVOL



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00095

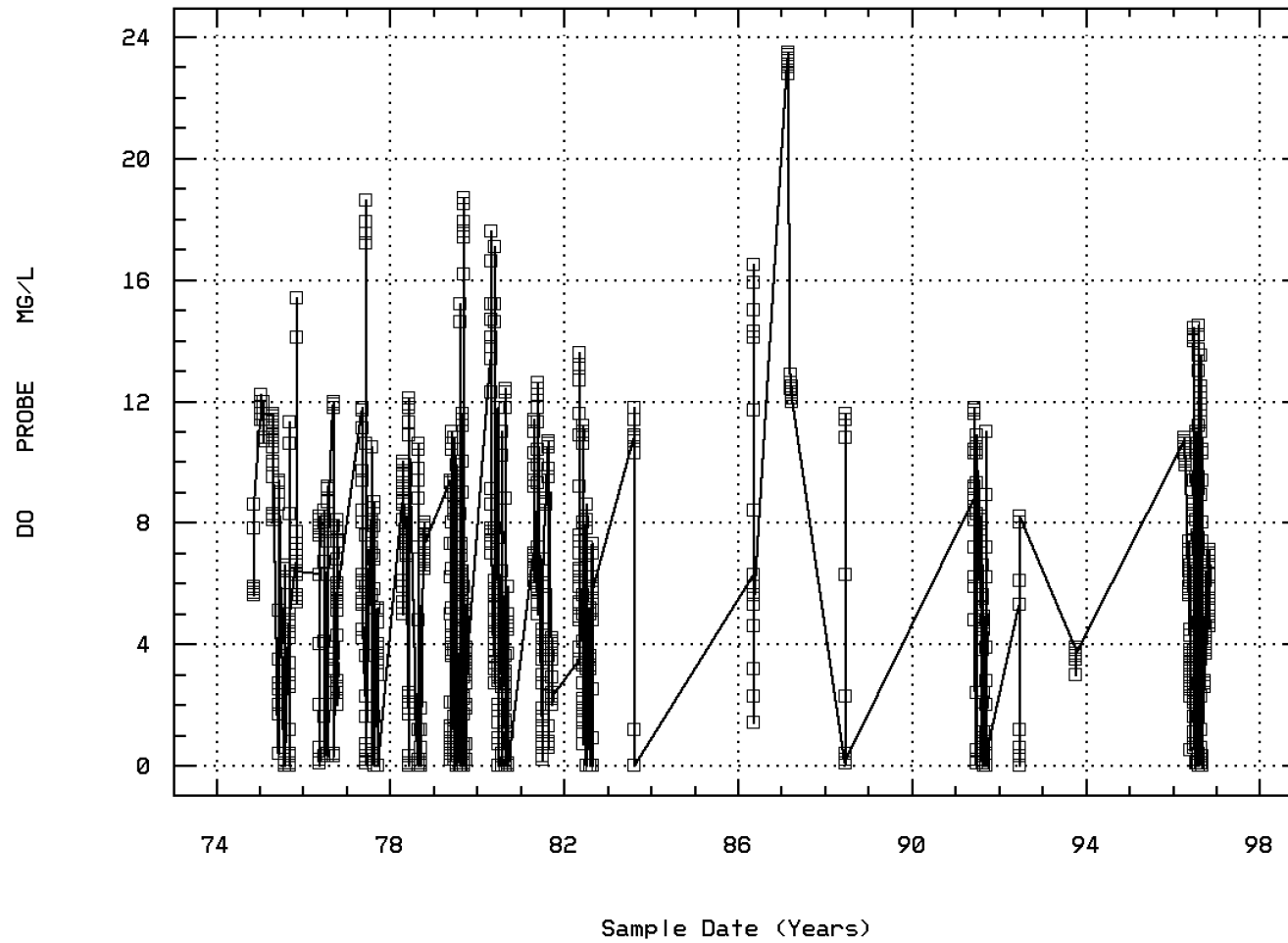
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00299

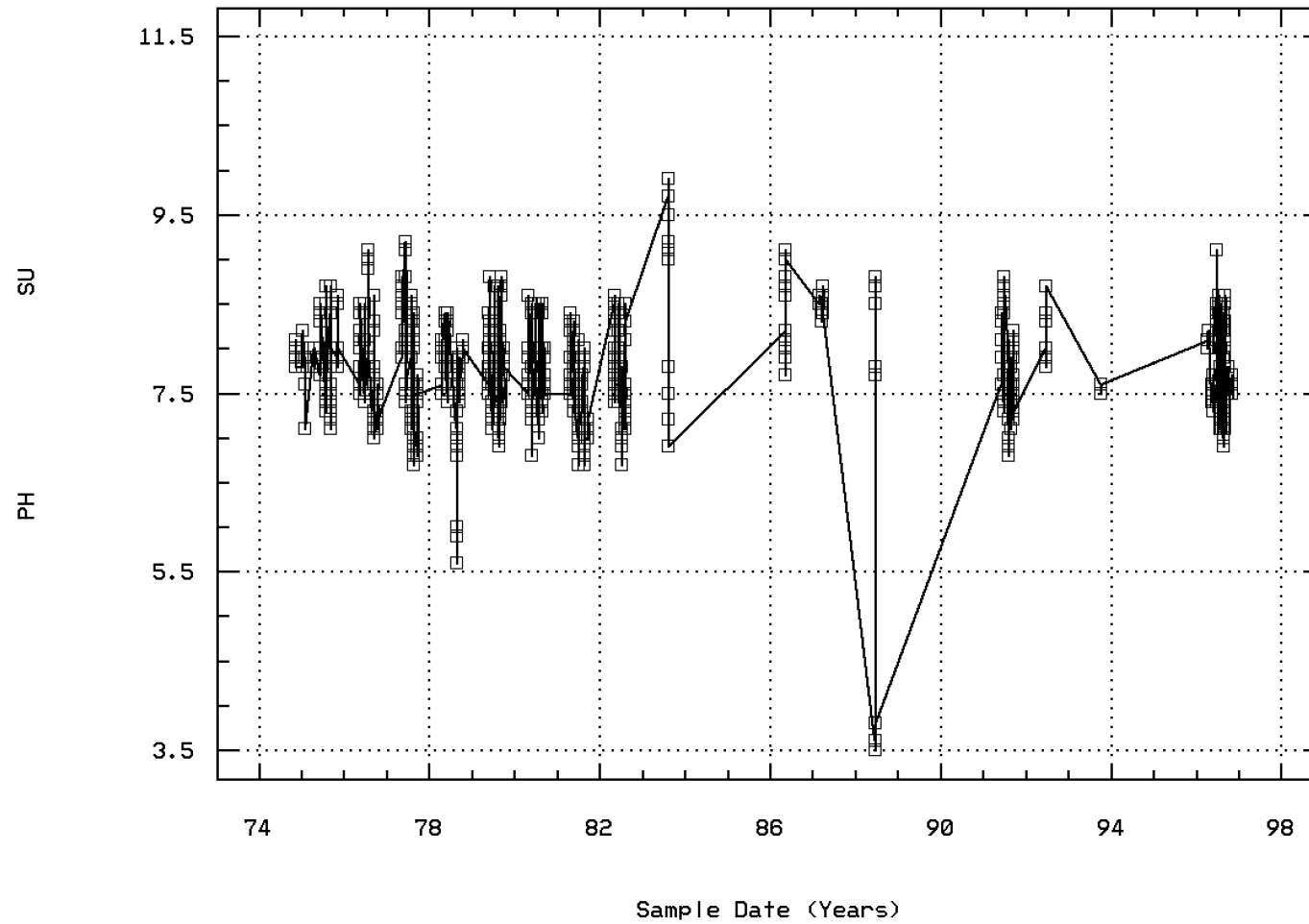
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00400

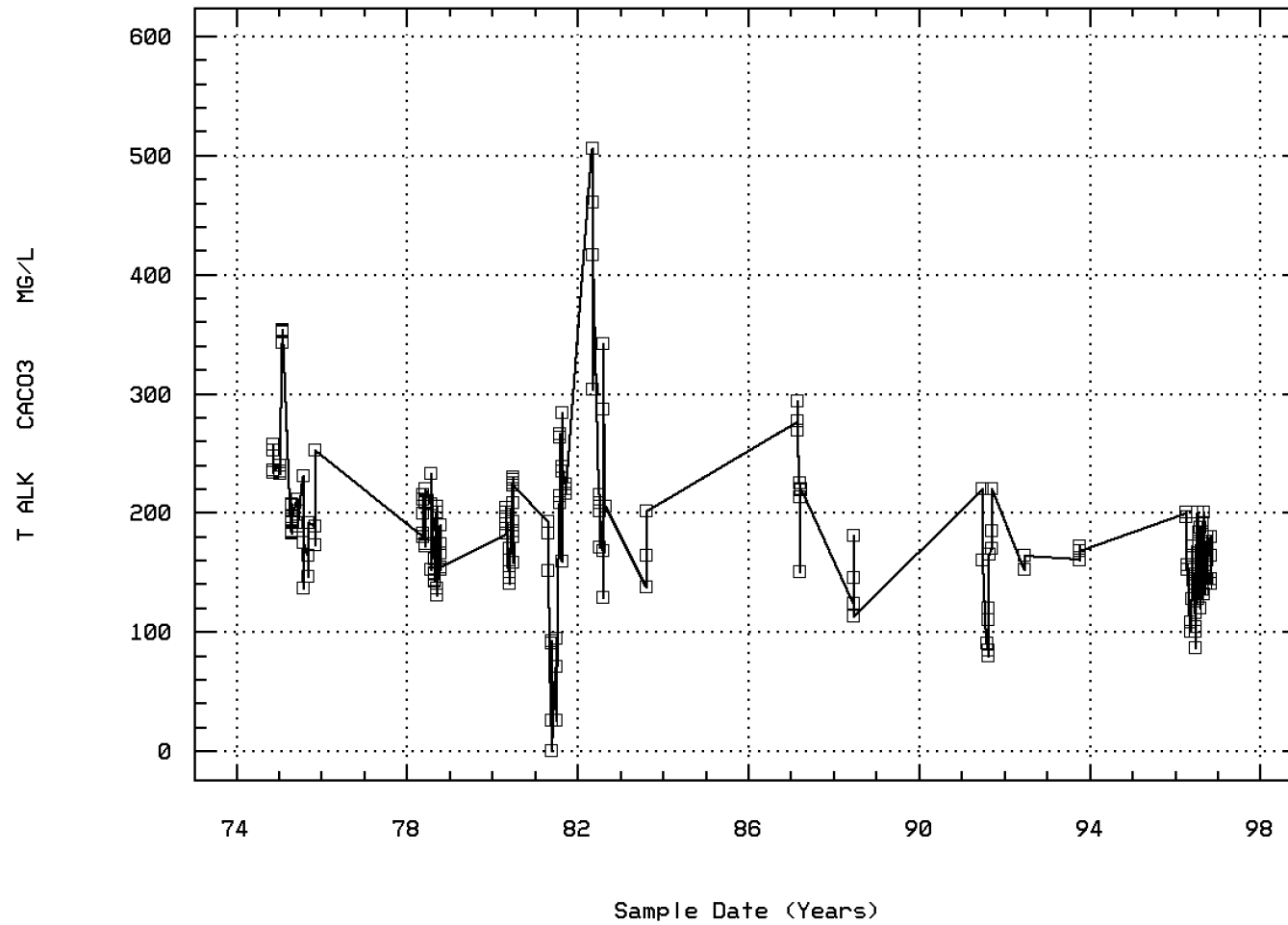
PH (STANDARD UNITS)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00410

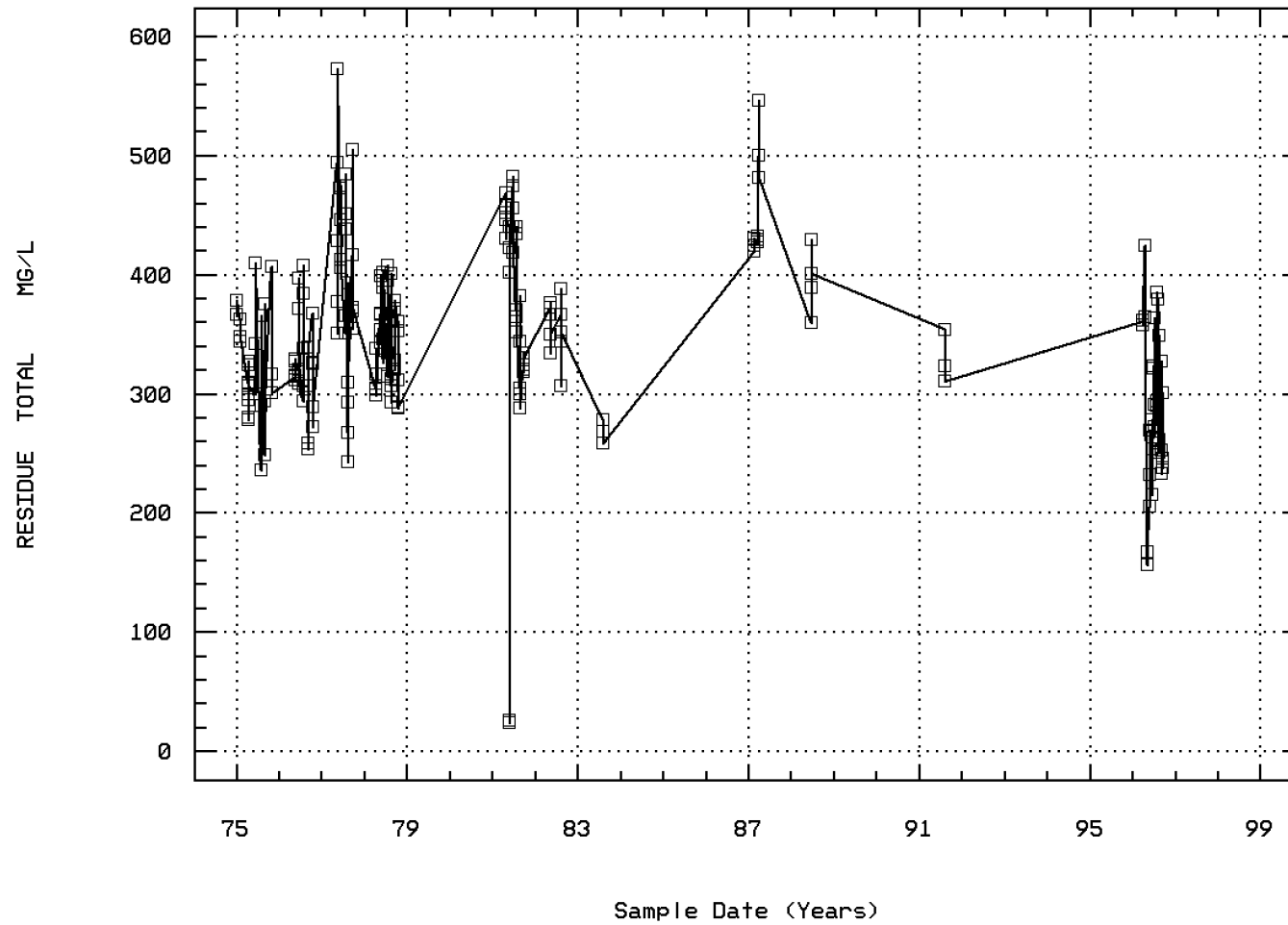
ALKALINITY, TOTAL (MG/L AS CaCO3)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00500

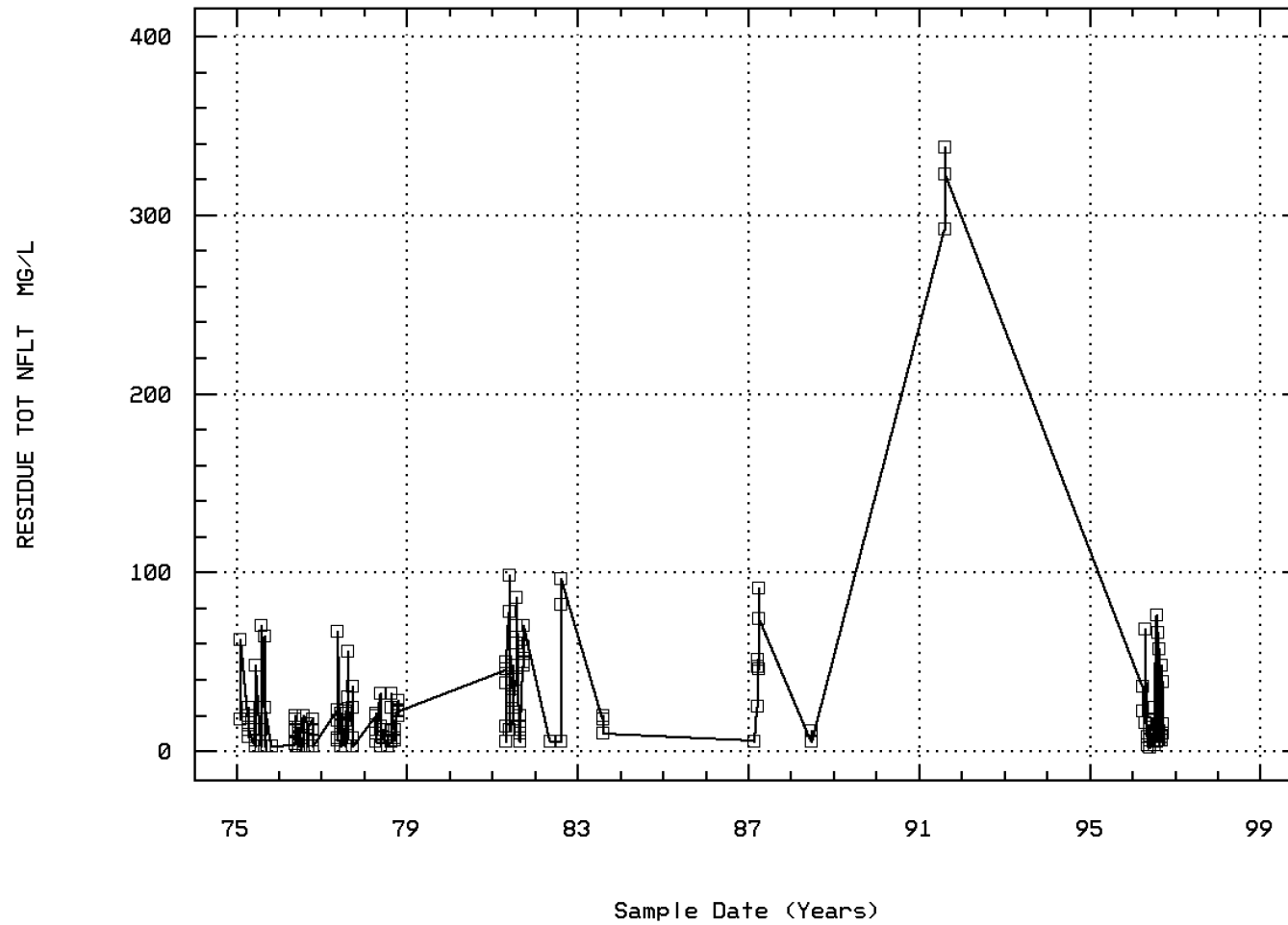
RESIDUE, TOTAL (MG/L)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00530

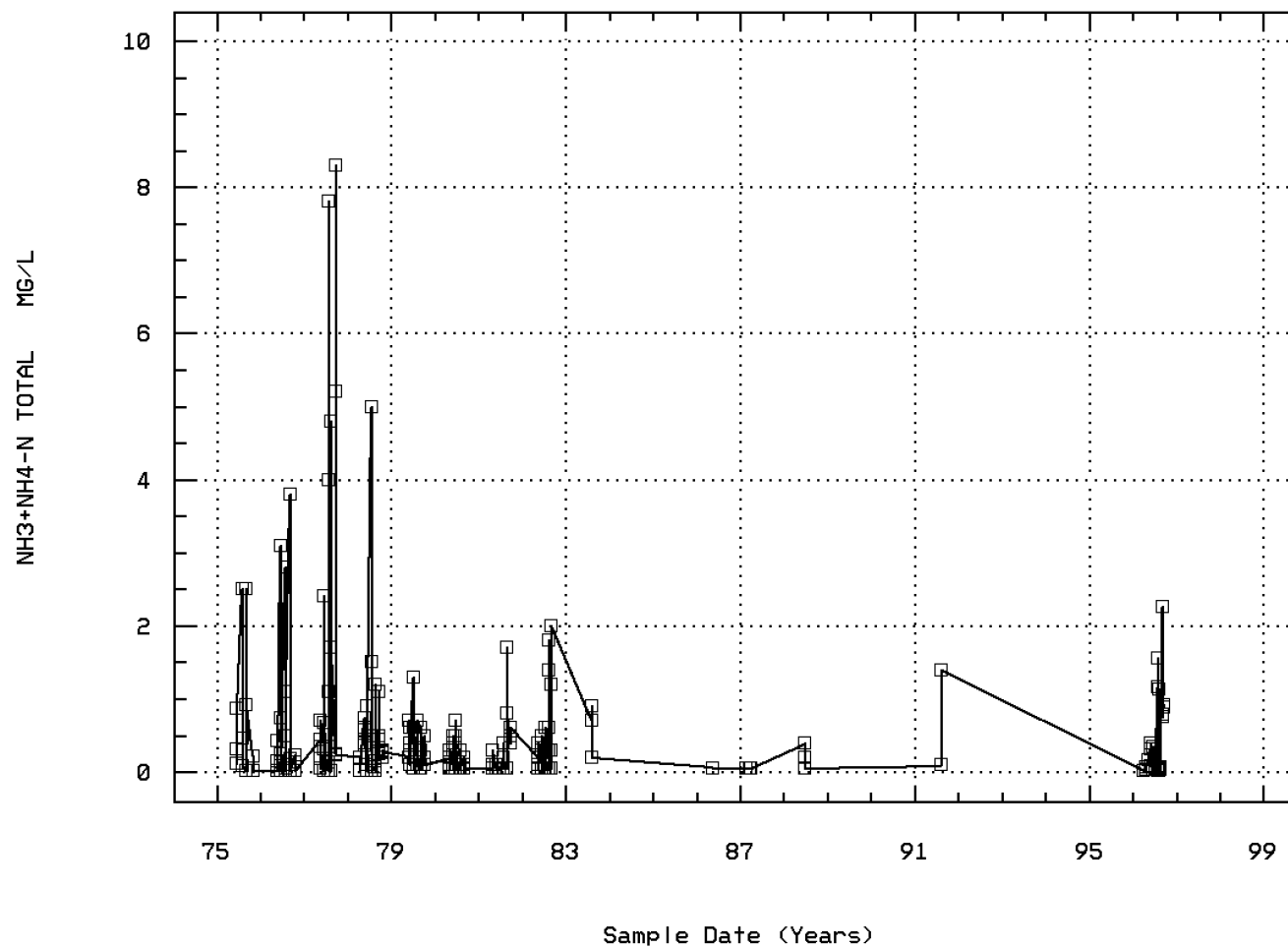
RESIDUE, TOTAL NONFILTRABLE (MG/L)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00610

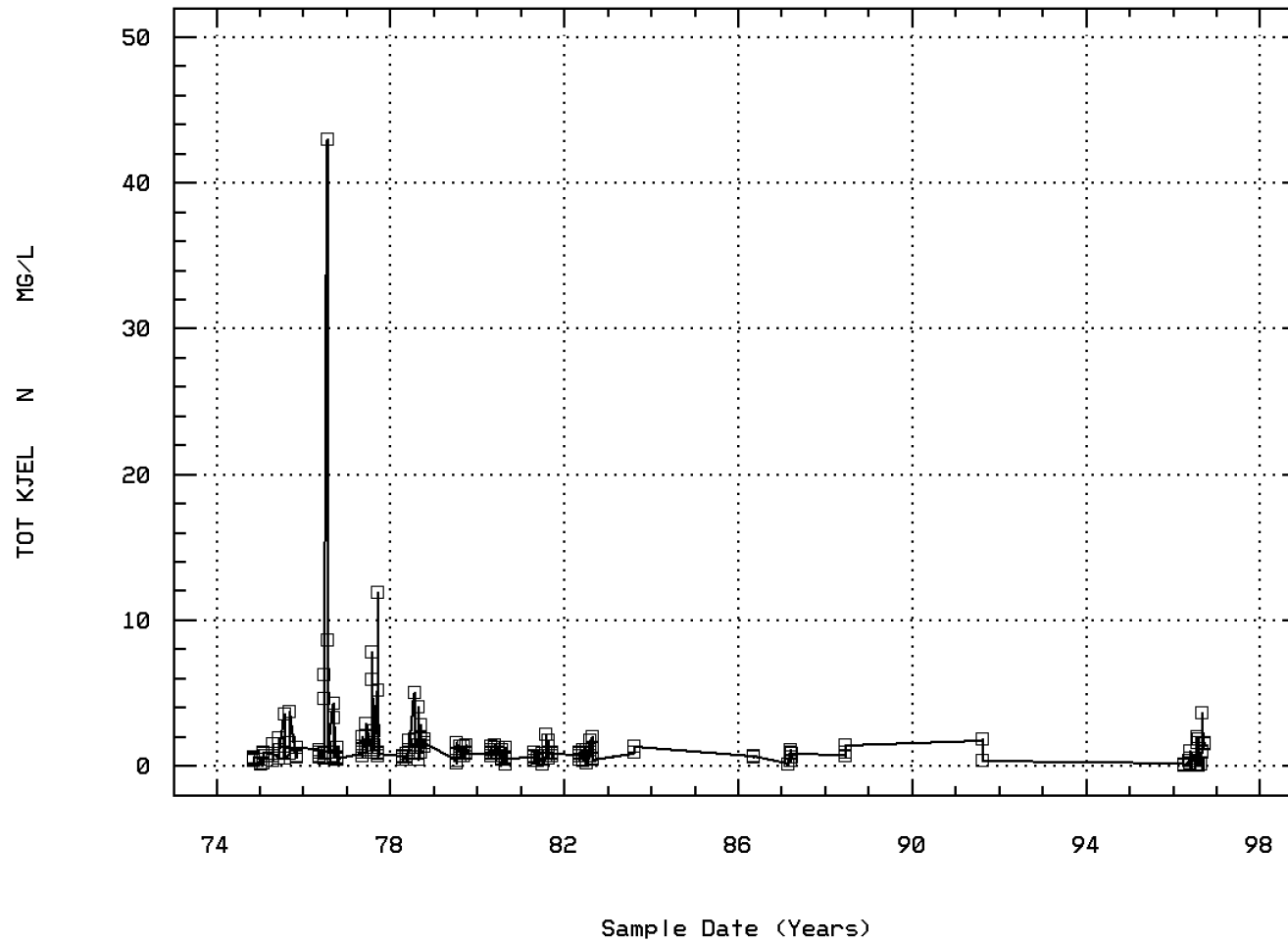
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00625

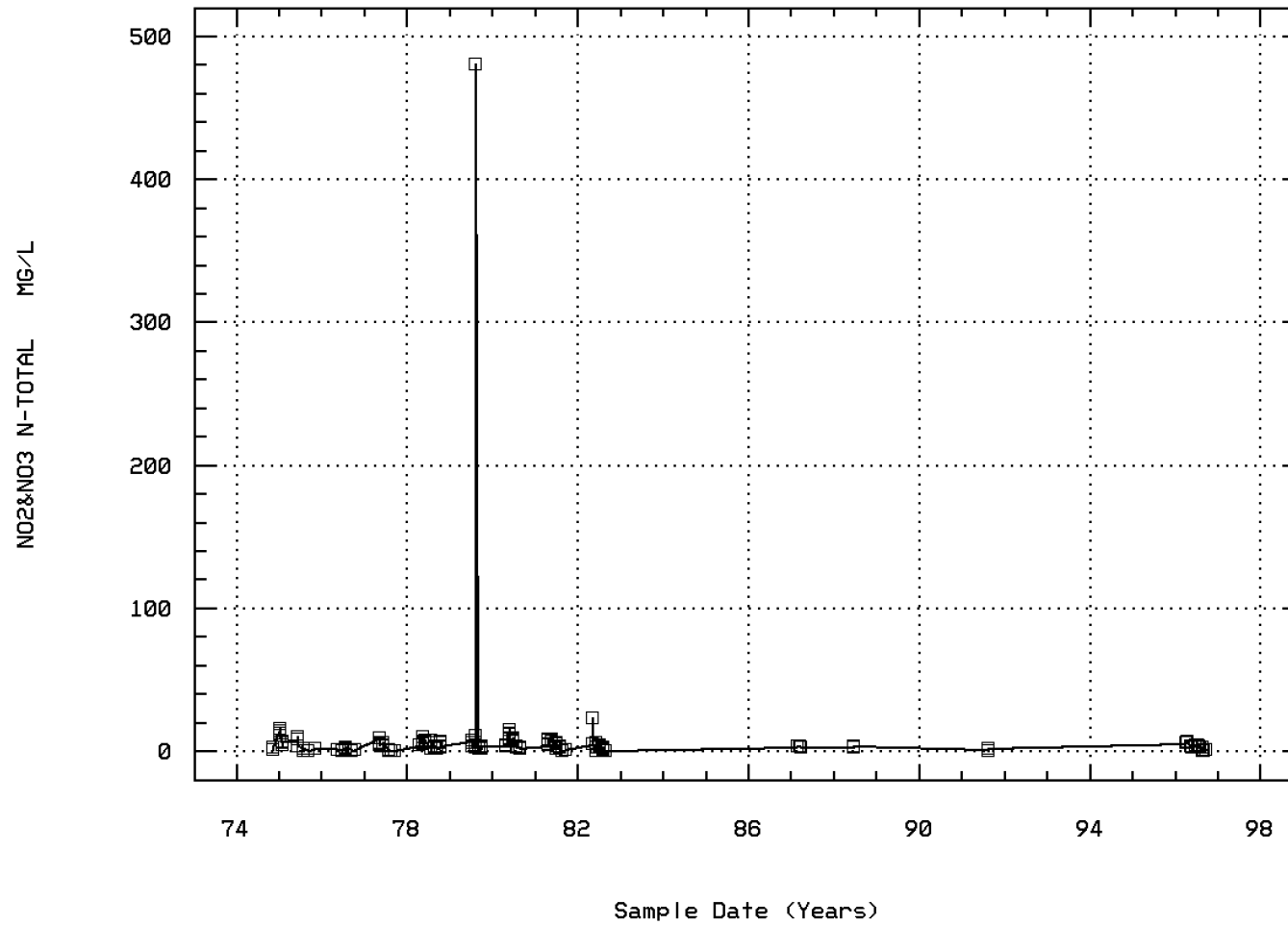
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00630

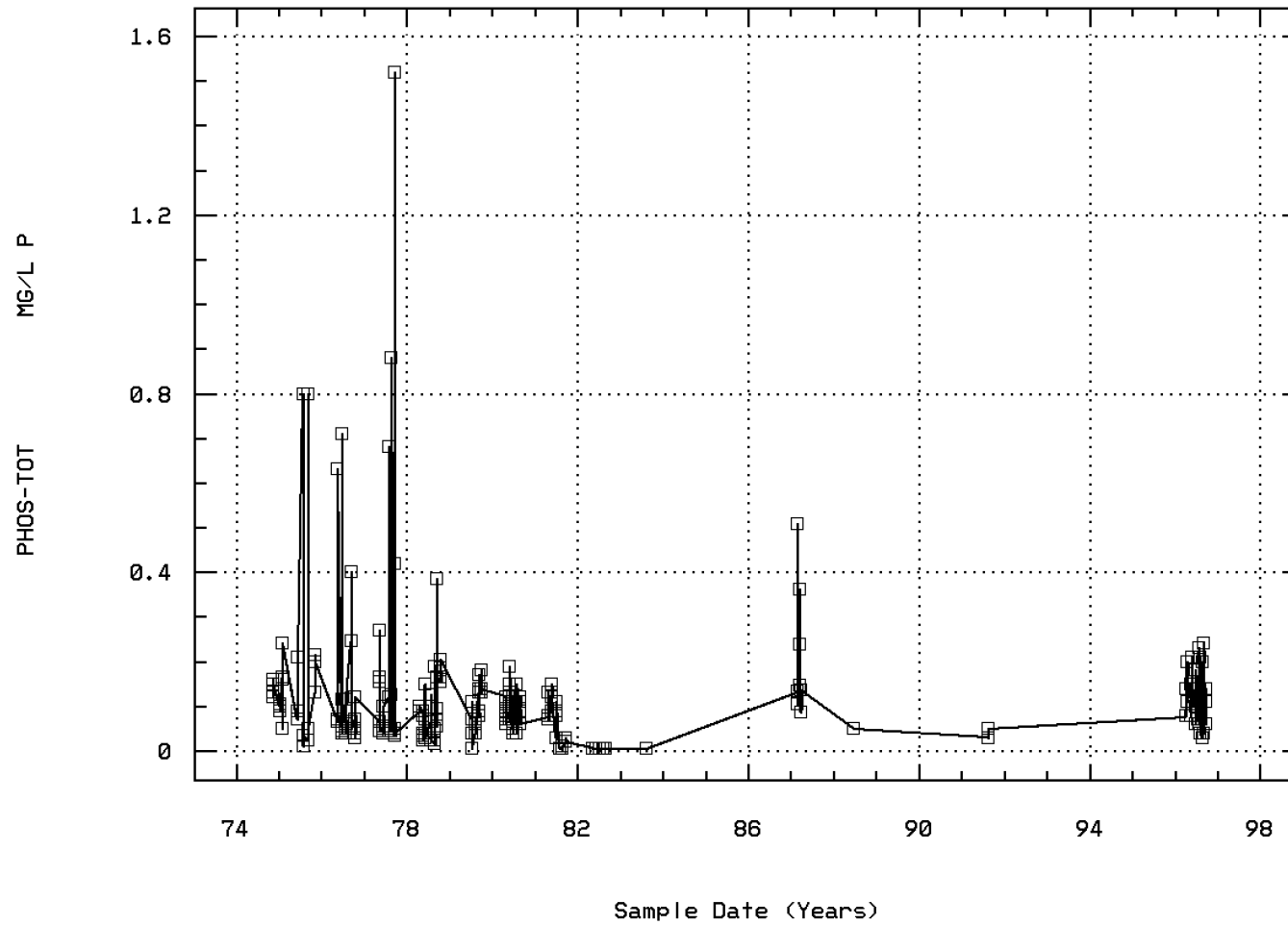
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00665

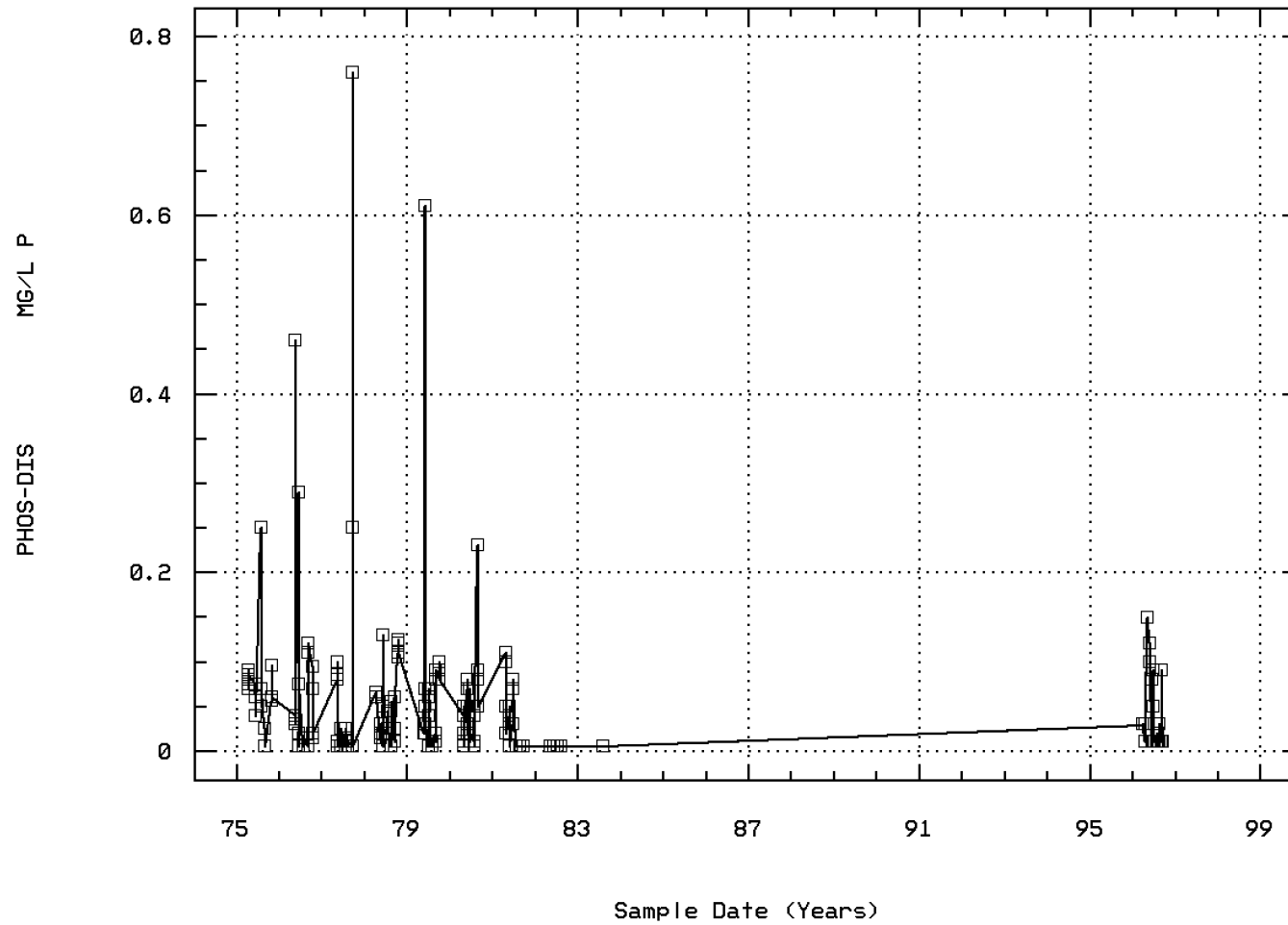
PHOSPHORUS, TOTAL (MG/L AS P)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00666

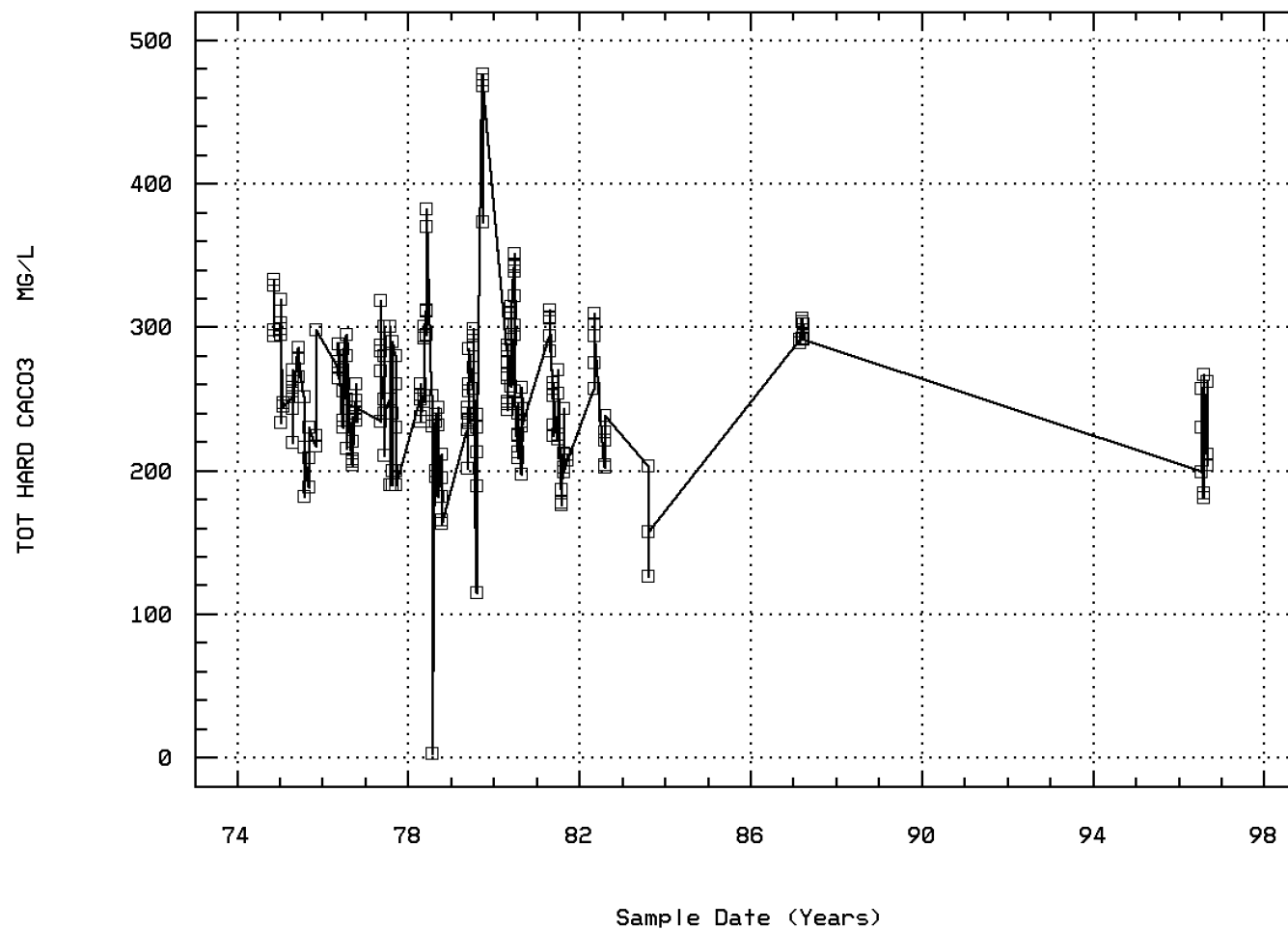
PHOSPHORUS, DISSOLVED (MG/L AS P)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00900

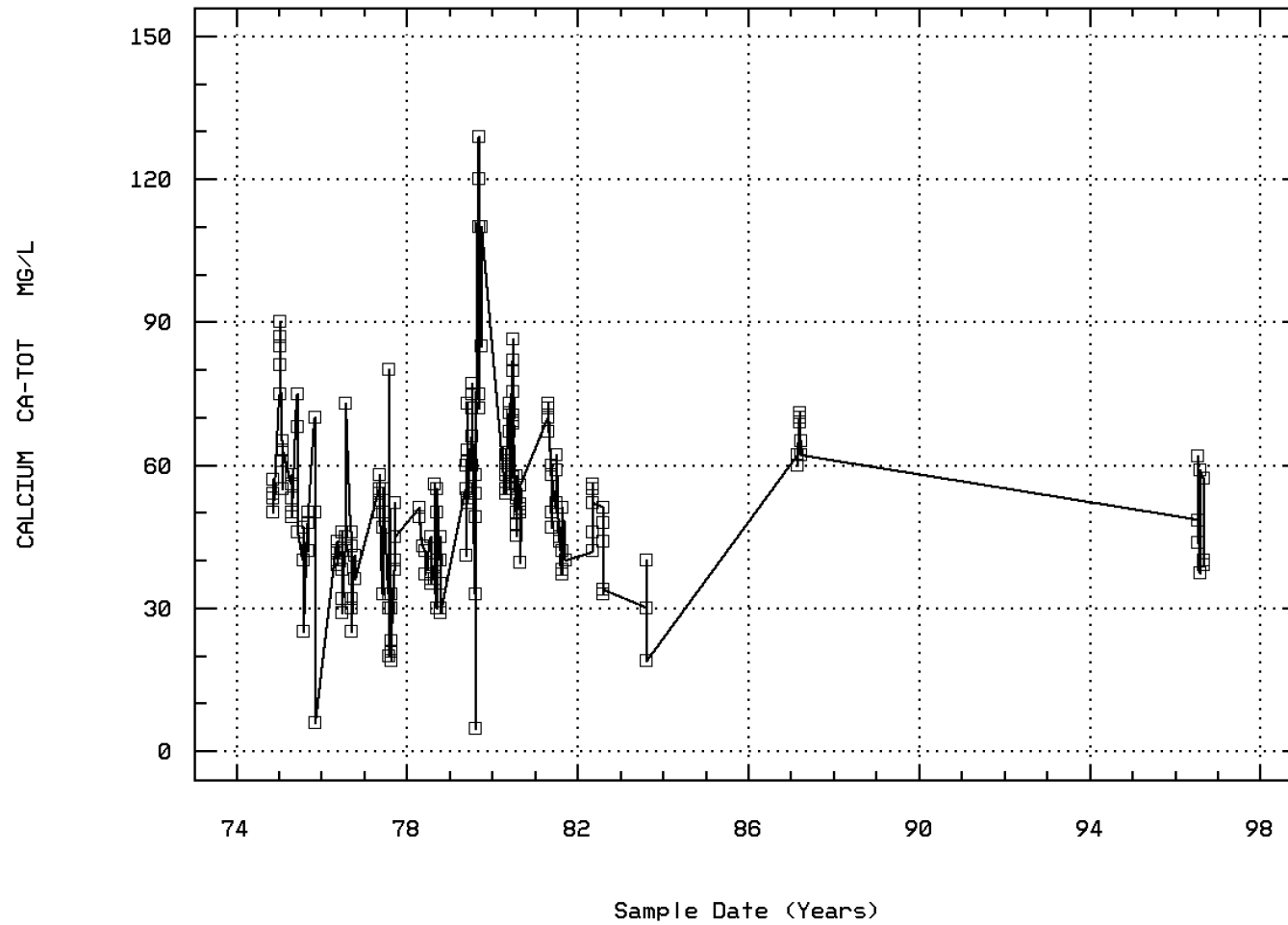
HARDNESS, TOTAL (MG/L AS CaCO3)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00916

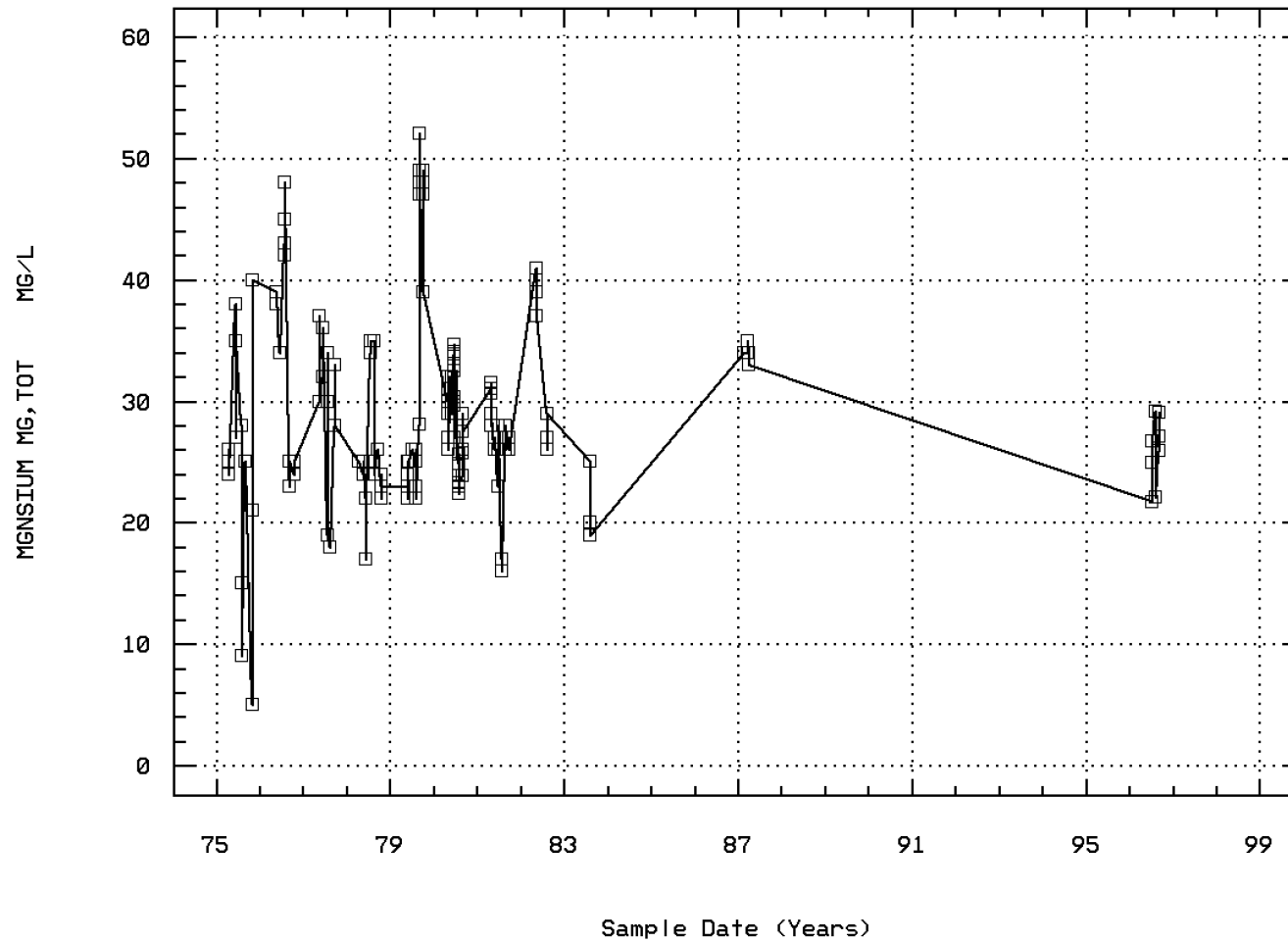
CALCIUM, TOTAL (MG/L AS CA)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00927

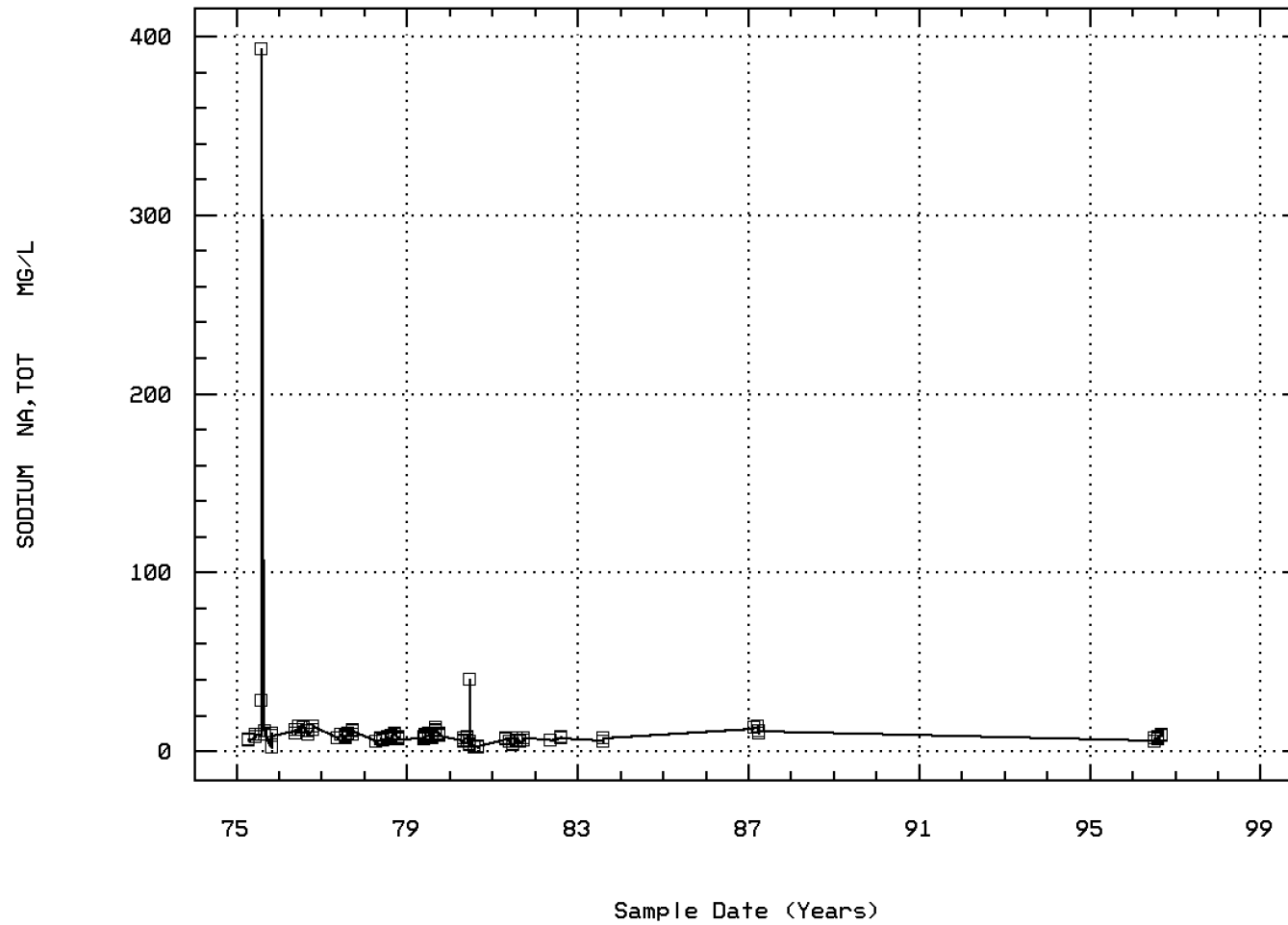
MAGNESIUM, TOTAL (MG/L AS MG)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00929

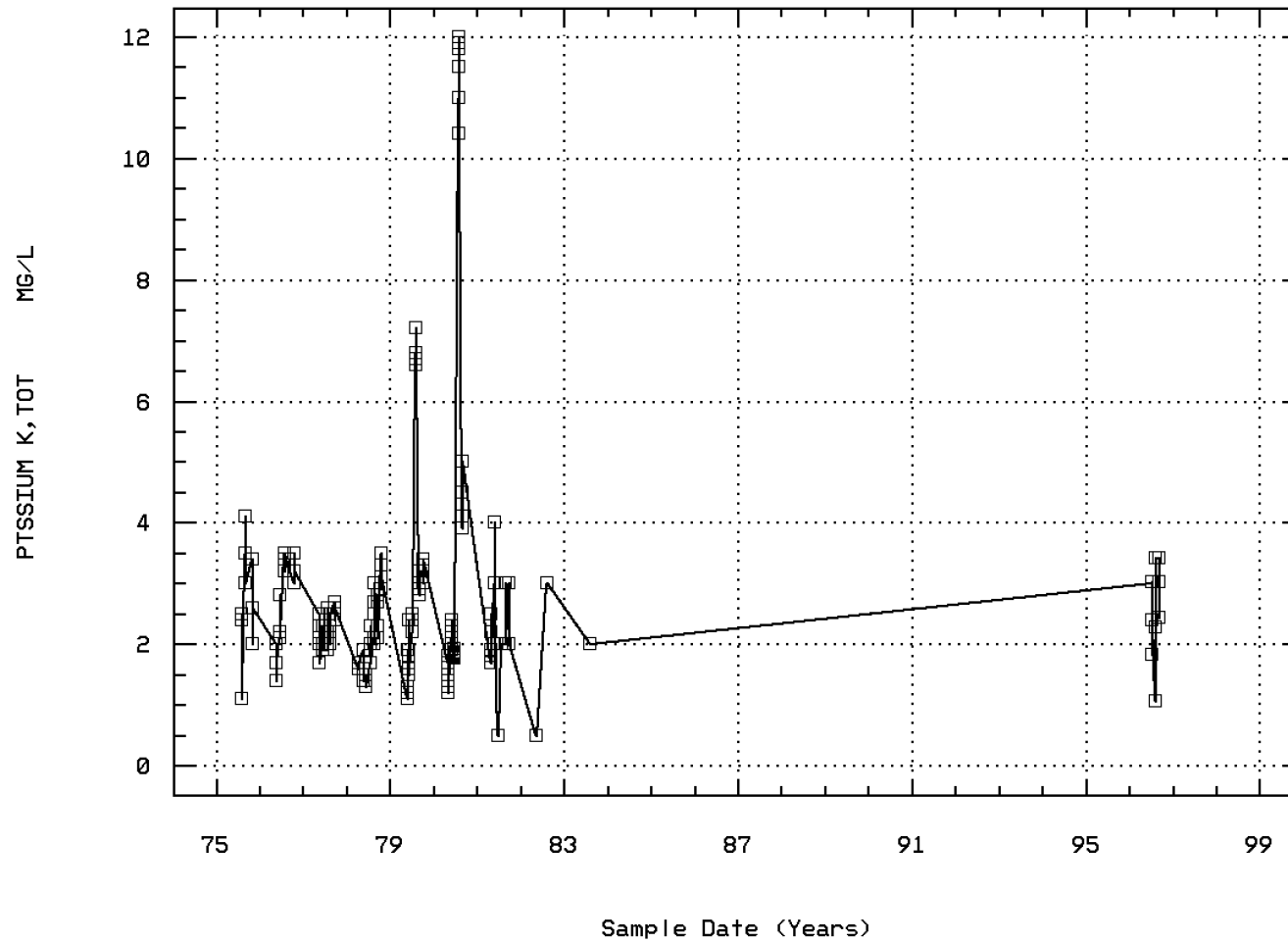
SODIUM, TOTAL (MG/L AS NA)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00937

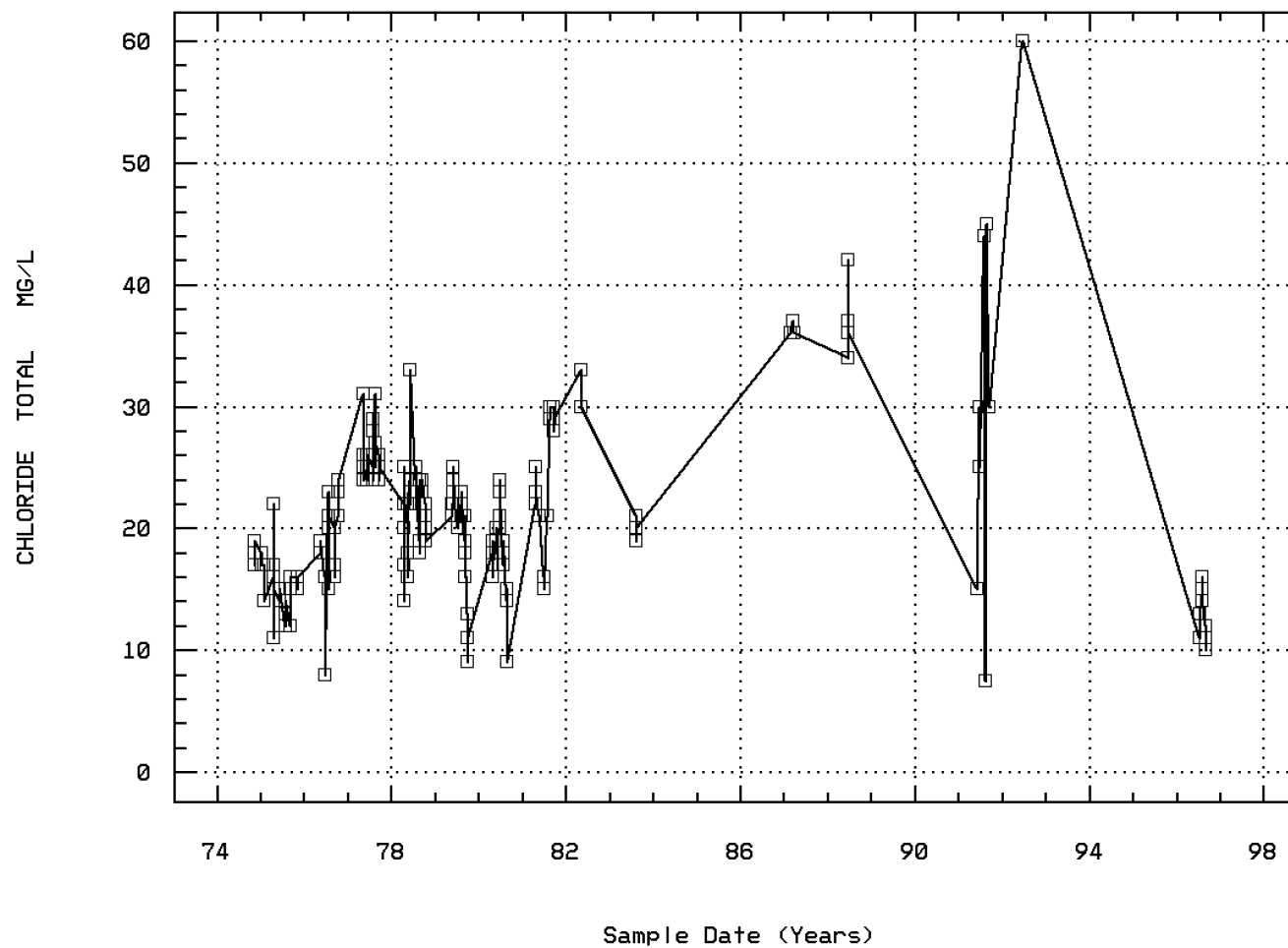
POTASSIUM, TOTAL MG/L AS K)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00940

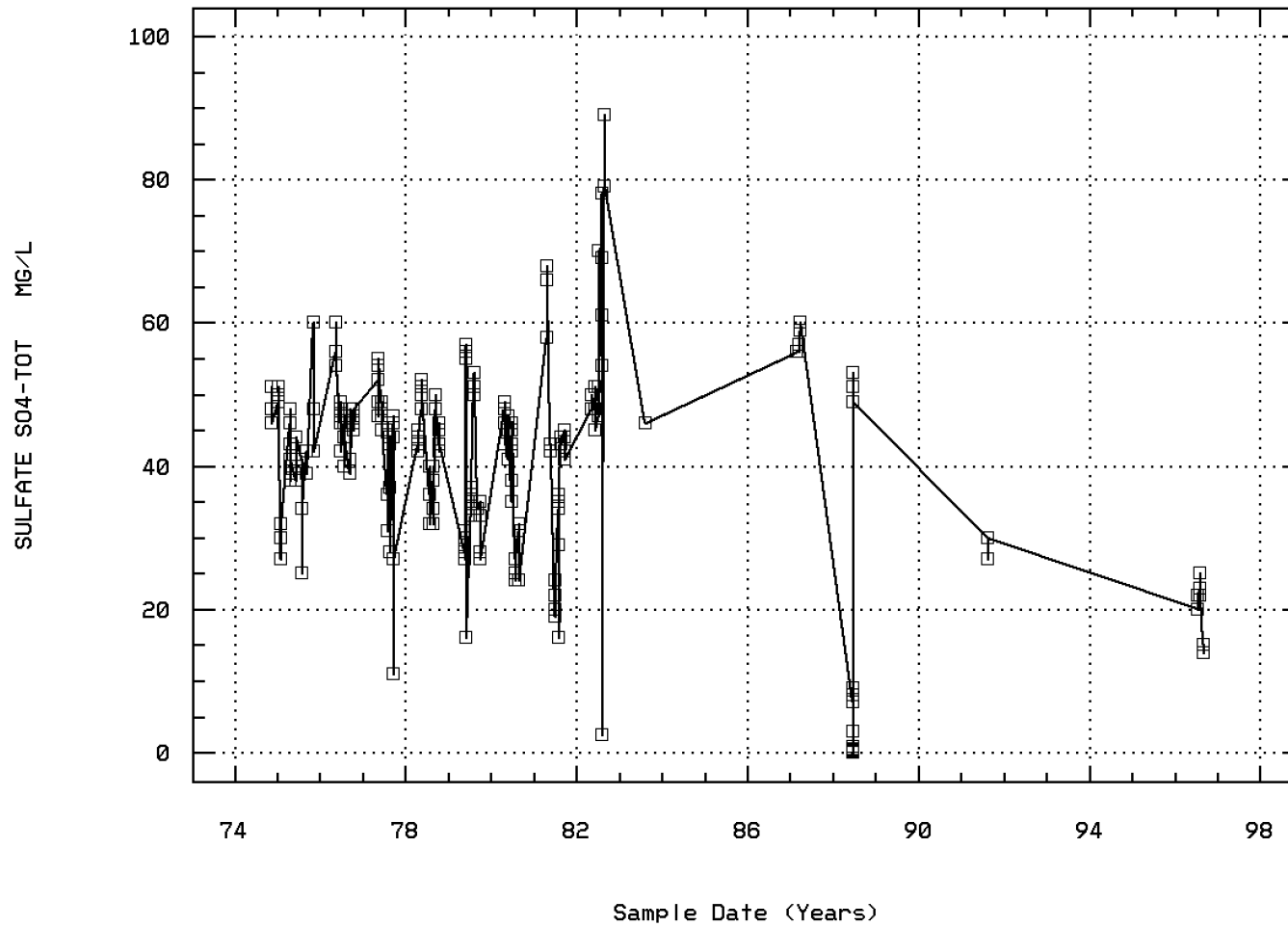
CHLORIDE, TOTAL IN WATER



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00945

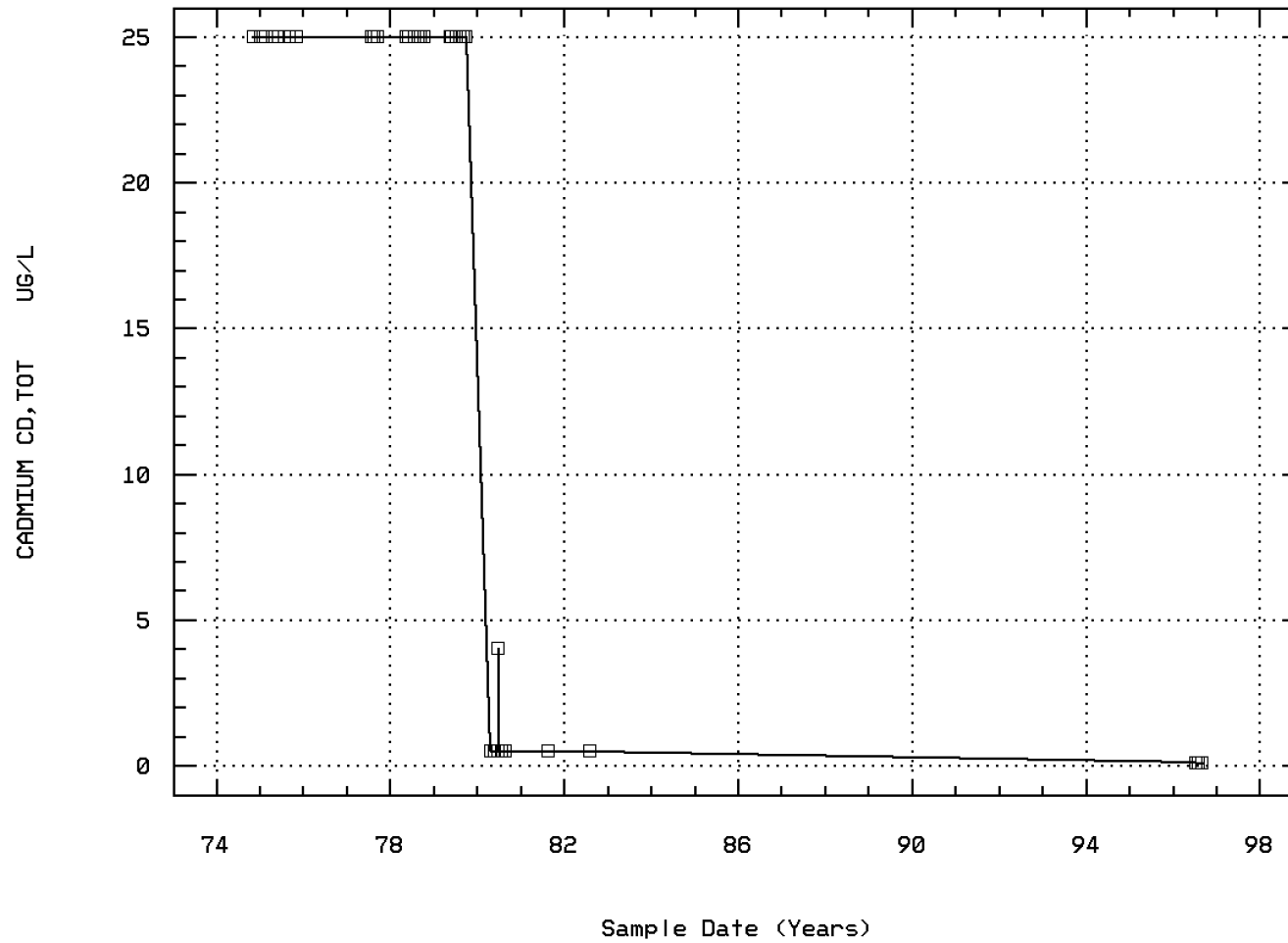
SULFATE, TOTAL (MG/L AS SO₄)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01027

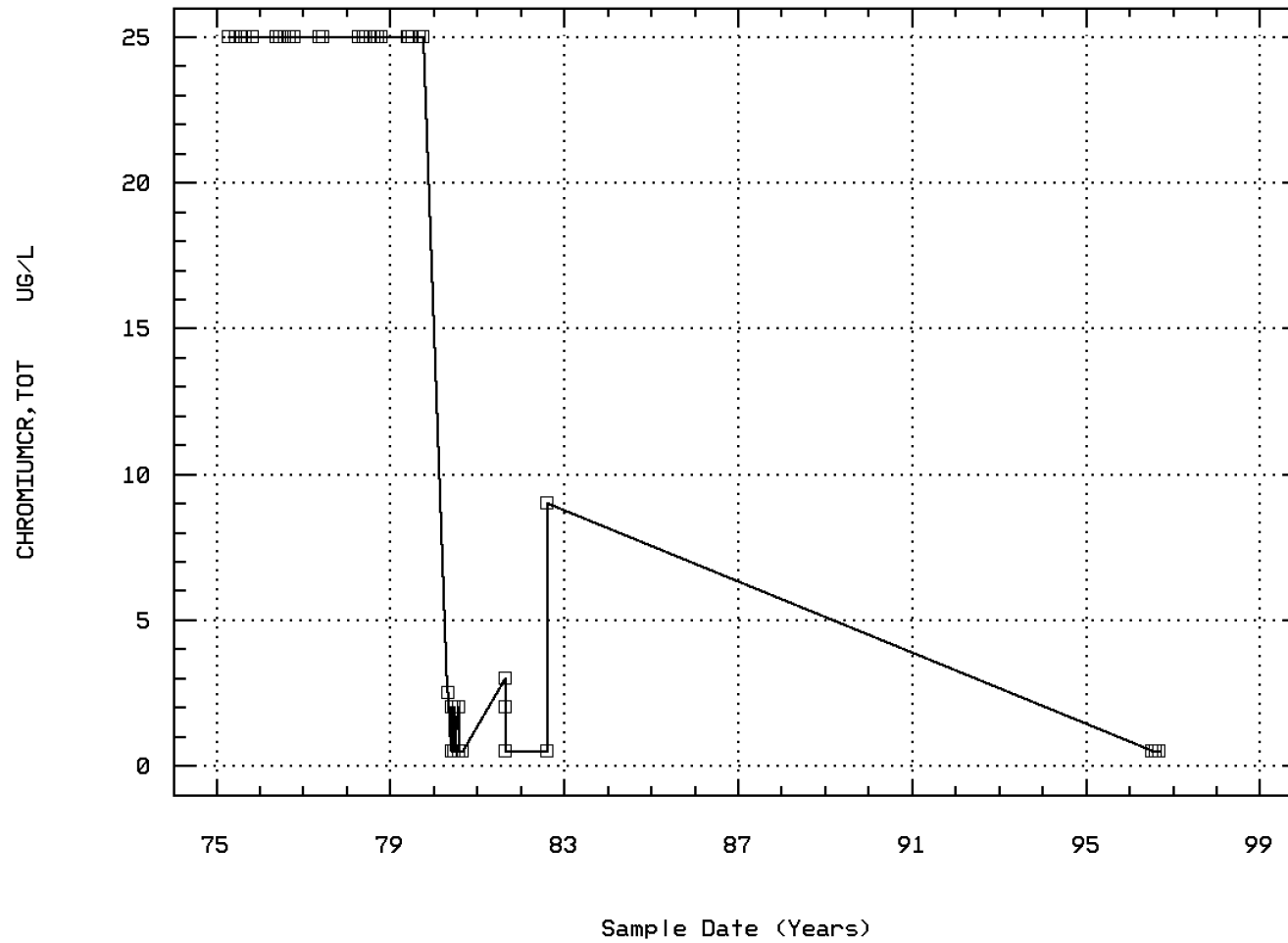
CADMIUM, TOTAL (UG/L AS CD)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01034

CHROMIUM, TOTAL (UG/L AS CR)

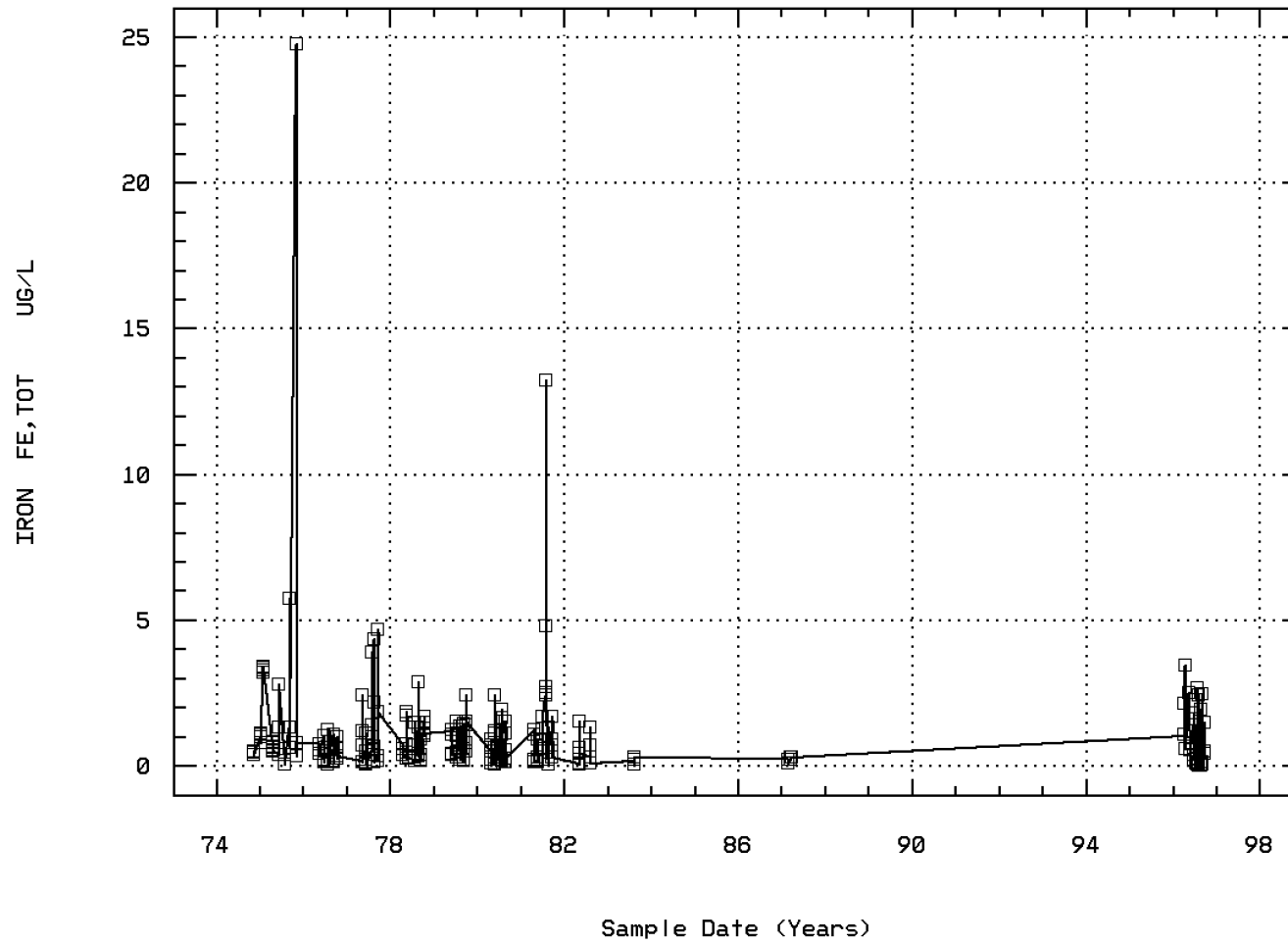


Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01045

(X 1000)

IRON, TOTAL (UG/L AS FE)

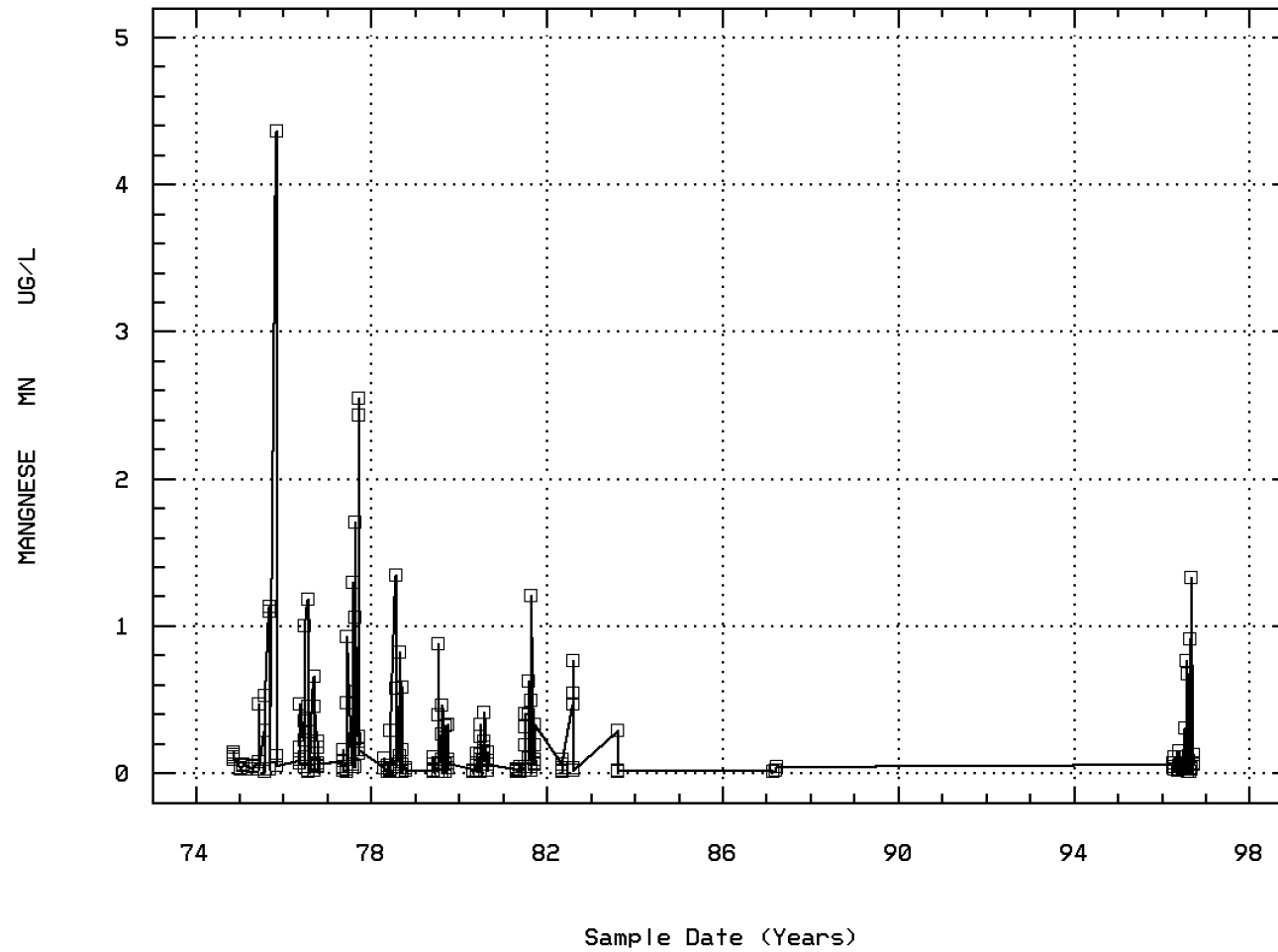


Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01055

(X 1000)

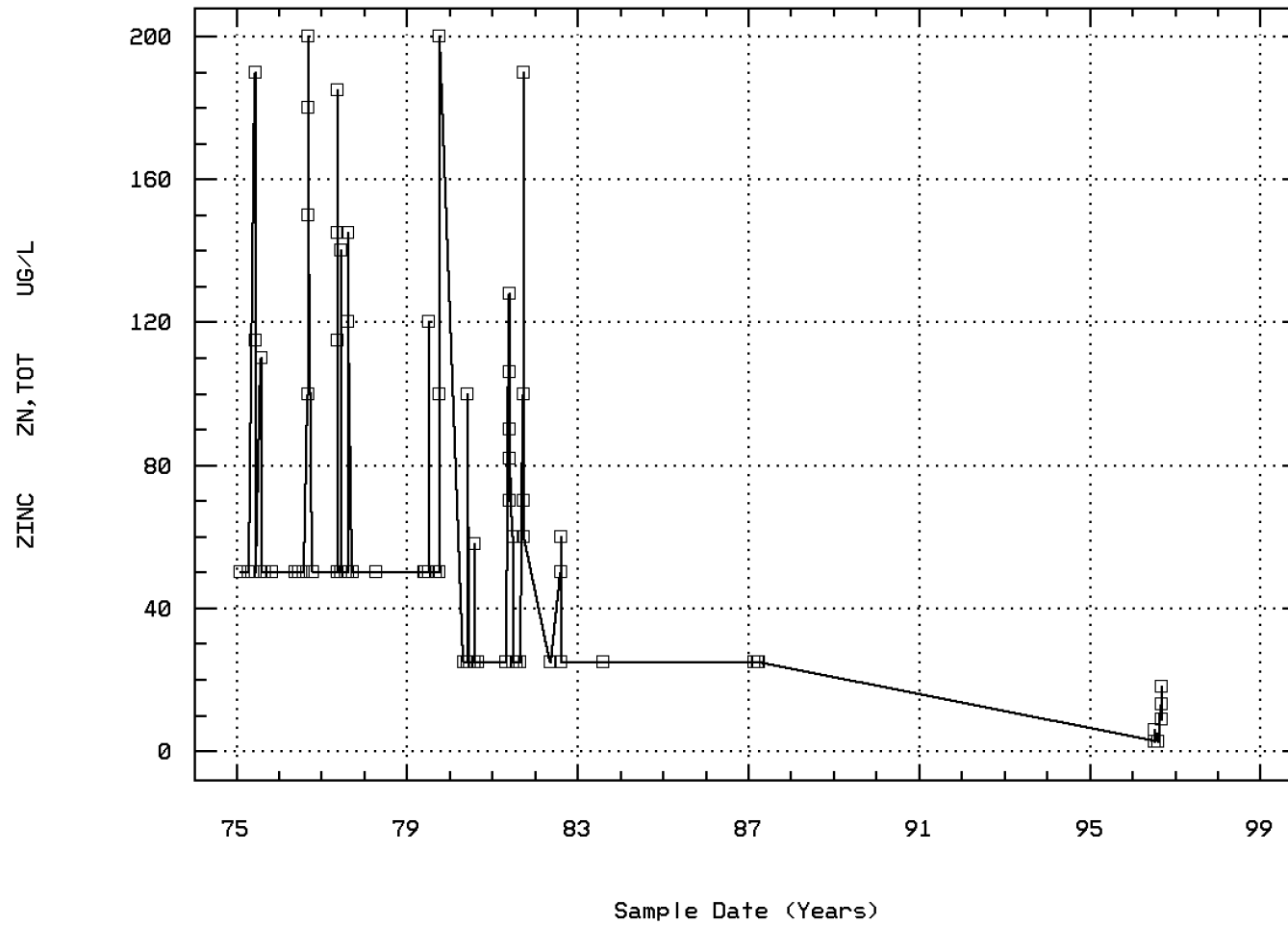
MANGANESE, TOTAL (UG/L AS MN)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01092

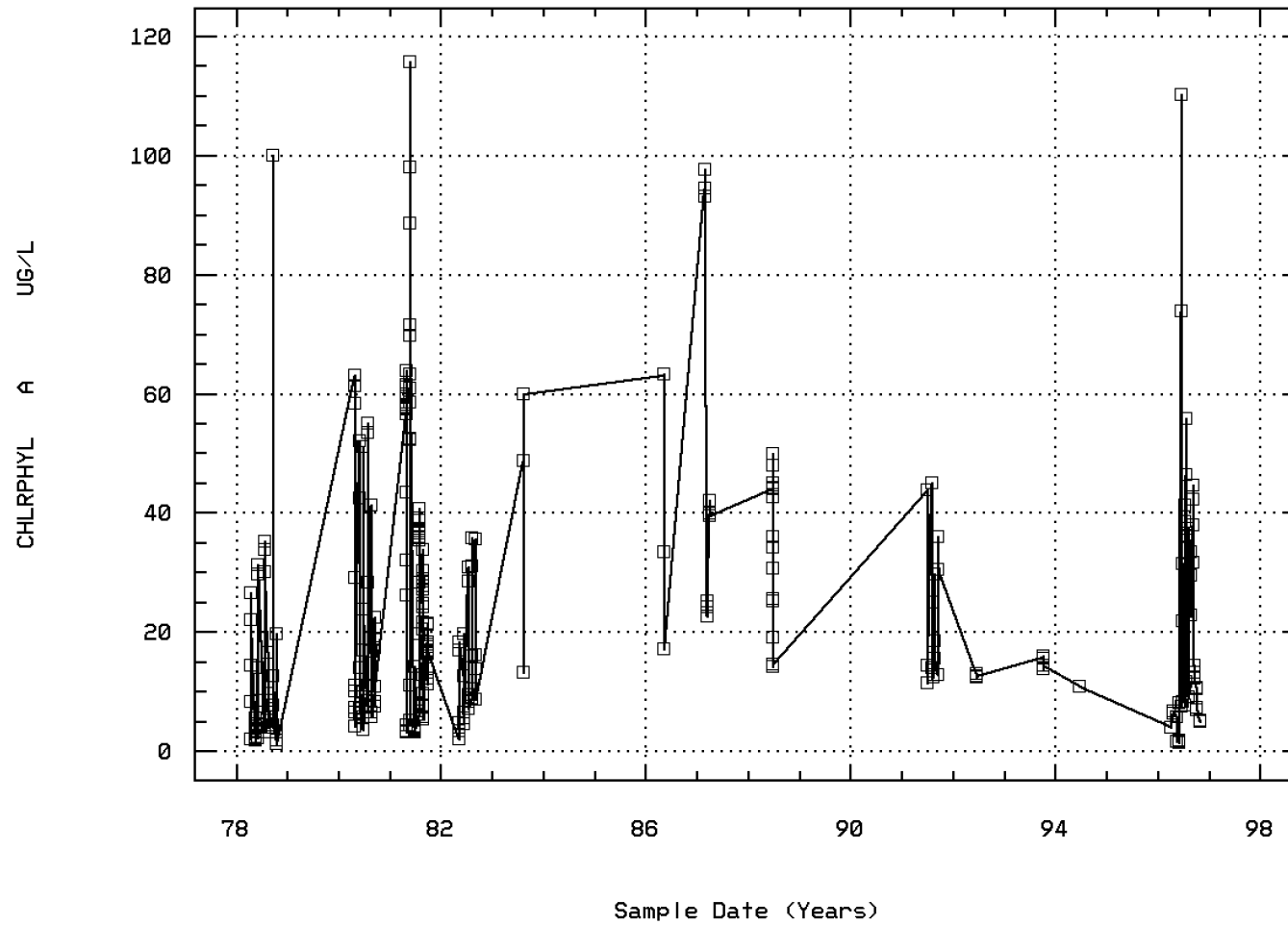
ZINC, TOTAL (UG/L AS ZN)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32210

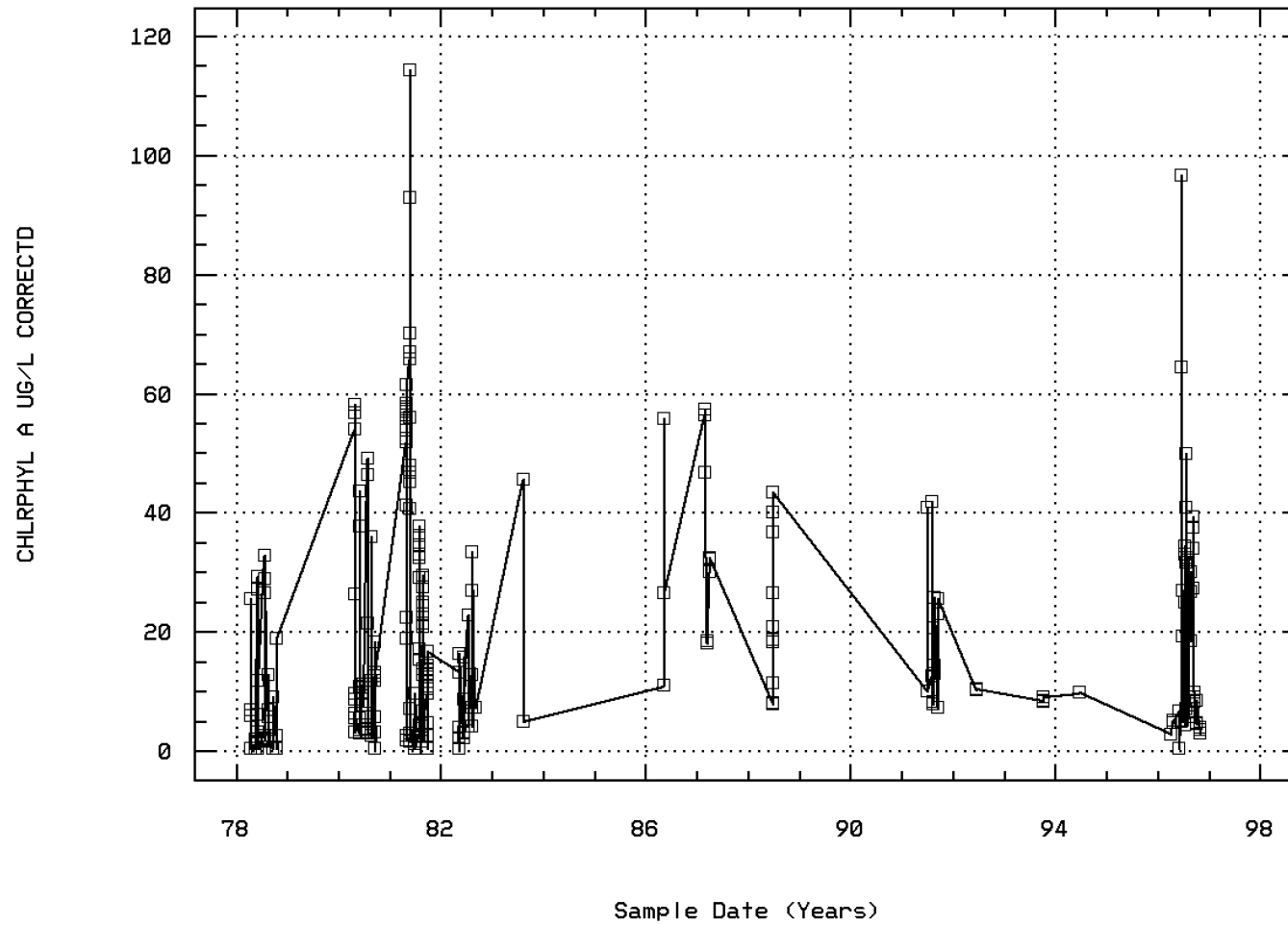
CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRE



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32211

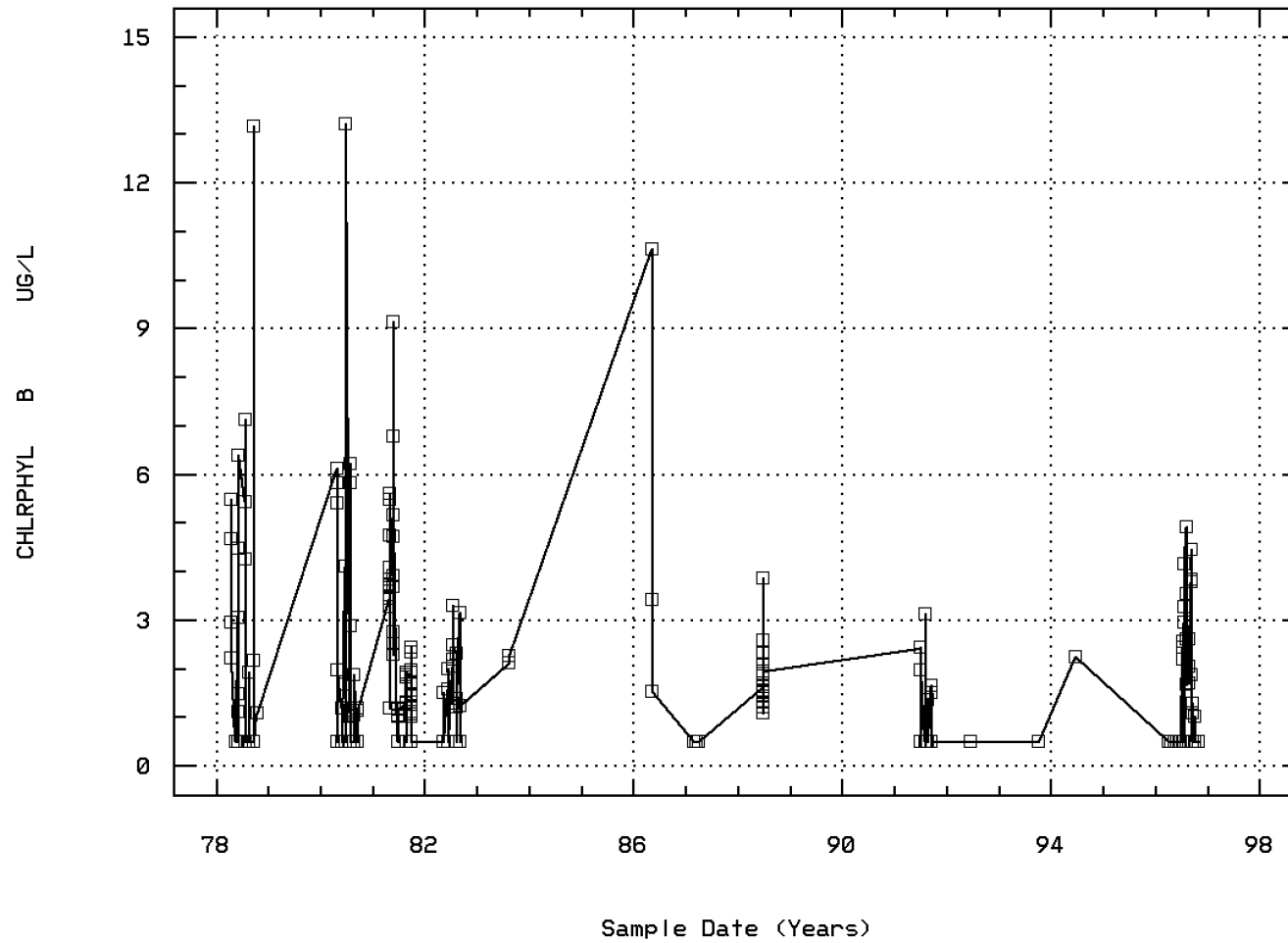
CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC A



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32212

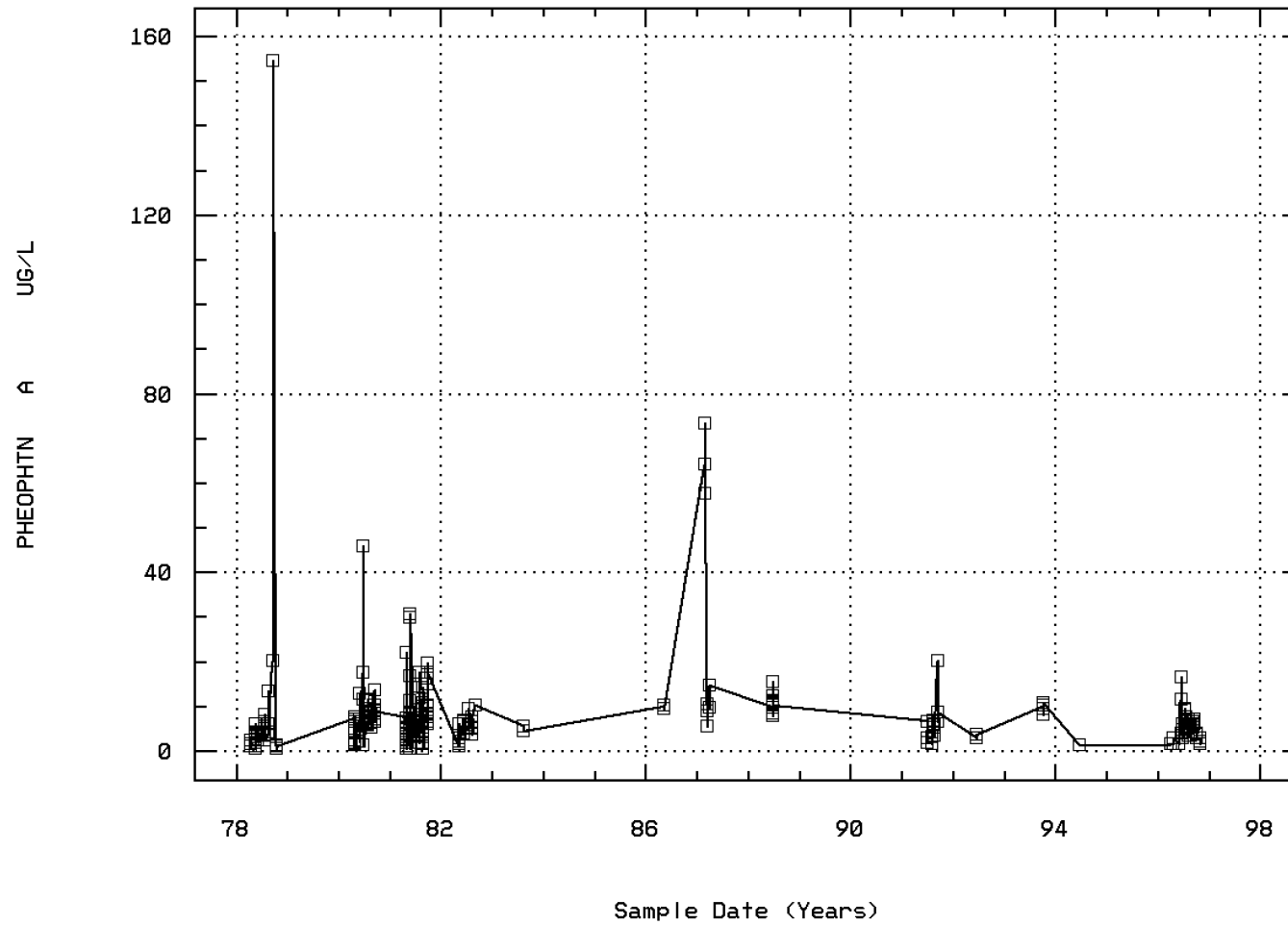
CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRE



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32218

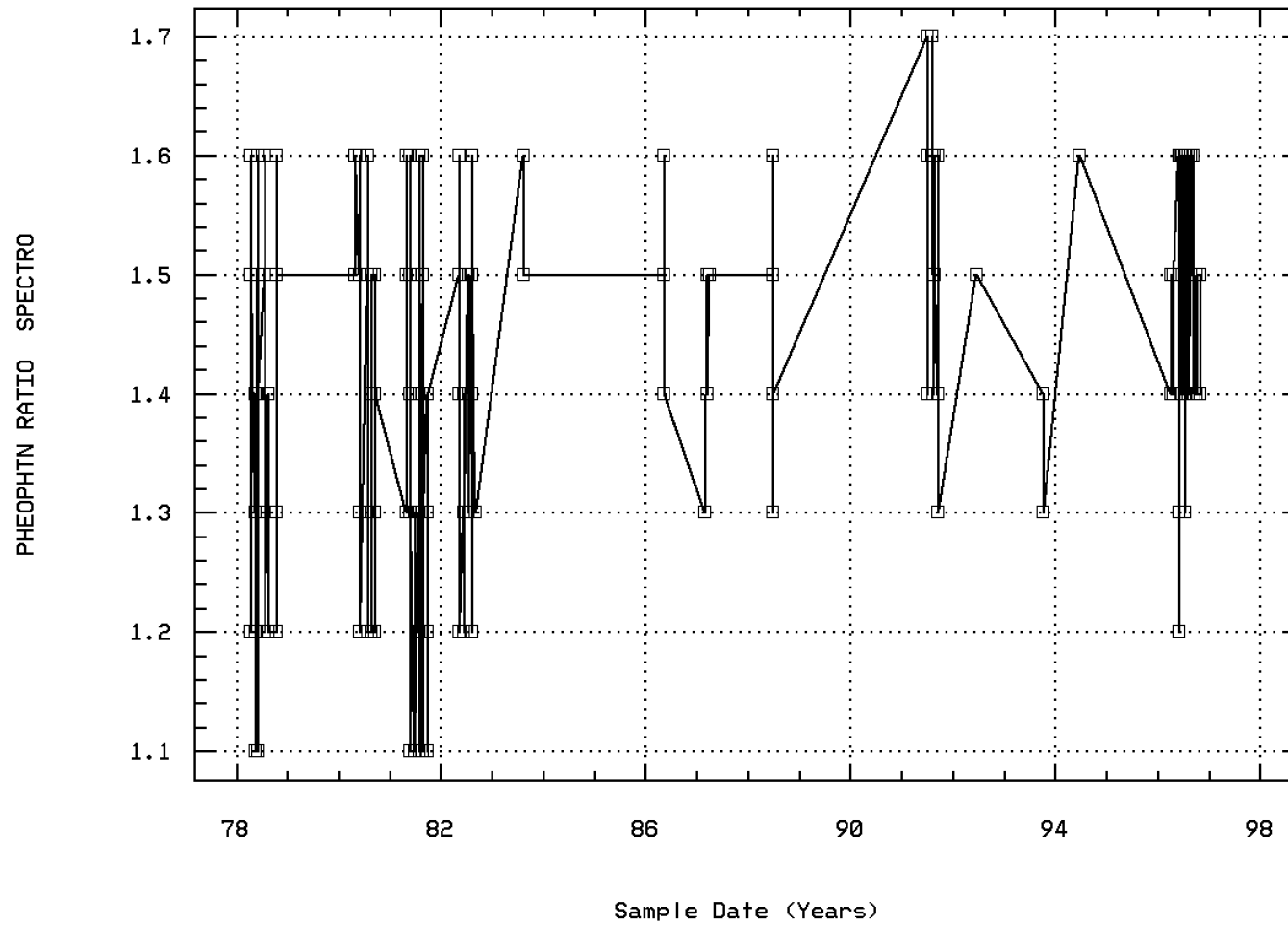
PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC AC



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32219

PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/



Paint Creek Lake, Main Lake Station

Annual Analysis for 1974 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	9	20.	17.778	35.	0.	131.944	11.487	0.	7.5	27.5	35.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	8	11.85	11.15	11.9	9.7	1.046	1.023	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	5	2.4	3.06	7.4	1.	6.988	2.643	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	5	580.	584.	640.	540.	1280.	35.777	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	8	5.9	6.738	8.6	5.6	1.817	1.348	**	**	**	**
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	5	7.9	7.92	8.1	7.8	0.017	0.13	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	5	7.9	7.905	8.1	7.8	0.017	0.131	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	5	0.013	0.012	0.016	0.008	0.	0.004	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	5	236.	243.	257.	234.	114.	10.677	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	5	0.5	0.48	0.6	0.3	0.017	0.13	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	5	1.1	1.56	2.3	1.1	0.398	0.631	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	5	0.13	0.136	0.16	0.12	0.	0.018	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	5	298.	309.6	333.	294.	386.3	19.655	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	5	53.	53.4	57.	50.	6.3	2.51	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	5	18.	18.2	19.	17.	0.7	0.837	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	5	48.	48.4	51.	46.	6.3	2.51	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS Cd)	11/12/74-09/04/96	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS Cu)	11/12/74-09/04/96	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS Fe)	11/12/74-09/18/96	5	440.	444.	500.	390.	3030.	55.045	**	**	**	**
01051	LEAD, TOTAL (UG/L AS Pb)	11/12/74-09/04/96	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS Mn)	11/12/74-09/18/96	5	110.	114.	140.	90.	330.	18.166	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS Hg)	11/12/74-08/10/83	2	9.85	9.85	10.	9.7	0.045	0.212	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	153	17.	18.098	45.	0.	188.273	13.721	1.	5.	30.	38.6
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	117	18.8	16.631	28.4	2.8	65.93	8.12	4.	9.5	23.75	26.22
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	8	20.	17.375	30.	2.	103.696	10.183	**	**	**	**
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	34	27.	34.059	100.	1.	1049.209	32.391	1.	5.	55.25	100.
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	13	47.	51.231	78.	12.	479.026	21.887	17.2	34.	71.	76.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	44	41.5	37.411	64.	0.6	485.278	22.029	1.65	18.25	58.	60.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	98	520.	540.071	748.	410.	6510.438	80.687	444.5	485.	586.	622.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	117	6.5	6.144	15.4	0.	21.581	4.646	0.	0.7	10.8	11.6
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	98	7.8	7.833	8.7	7.1	0.183	0.428	7.2	7.6	8.	8.5
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	98	7.8	7.646	8.7	7.1	0.218	0.467	7.2	7.6	8.	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	98	0.016	0.023	0.079	0.002	0.	0.021	0.003	0.01	0.025	0.063
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	30	193.5	217.3	354.	137.	3504.769	59.201	164.9	184.75	233.5	351.1
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	26	312.5	323.423	410.	236.	1960.414	44.277	269.	294.75	362.75	386.7
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	23	18.	21.	70.	2.5	424.295	20.598	2.5	2.5	24.	63.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	12	0.265	0.67	2.5	0.025	0.825	0.908	0.025	0.041	0.9	2.5
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	31	0.7	0.898	3.7	0.05	0.689	0.83	0.2	0.4	0.9	1.84
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	21	4.2	5.481	16.	0.05	25.389	5.039	0.1	1.35	10.5	13.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	21	0.1	0.178	0.8	0.01	0.047	0.217	0.027	0.06	0.205	0.688
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	22	0.073	0.072	0.25	0.005	0.002	0.047	0.011	0.055	0.085	0.094
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	30	246.	250.567	319.	182.	1110.53	33.325	209.7	228.5	272.	298.9
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	31	50.	56.223	90.	5.9	311.449	17.648	40.4	49.	68.	84.2
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	22	25.	24.545	40.	5.	61.022	7.812	10.8	24.	26.25	37.1
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	22	7.25	25.85	393.	1.8	6748.716	82.151	5.7	5.9	9.625	22.9
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	9	2.6	2.733	4.1	1.1	0.795	0.892	1.1	2.2	3.45	4.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	30	16.	15.6	22.	11.	4.455	2.111	12.1	14.75	17.	17.9
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	30	41.5	41.733	60.	25.	56.892	7.543	30.2	38.	48.	49.9
01027	CADMIUM, TOTAL (UG/L AS Cd)	11/12/74-09/04/96	30 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	22 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	31 ##	25.	27.581	80.	25.	114.785	10.714	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	31	800.	2055.581	24750.	50.	19349650.452	4398.824	381.6	587.	1315.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	22 ##	50.	285.455	3370.	50.	590654.545	768.541	50.	50.	50.
01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	31 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	31	39.	285.226	4360.	10.	653142.447	808.172	25.	26.	76.
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	22	20.	195.682	1220.	10.	146993.561	383.397	10.	10.	87.5
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	26 ##	50.	60.192	190.	50.	988.962	31.448	50.	50.	50.
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	24	8.05	6.854	10.	1.5	9.489	3.08	2.25	3.9	9.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	160	20.	21.519	46.	0.	187.144	13.68	2.	10.	32.75
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	129	18.5	19.372	27.7	12.5	14.412	3.796	15.1	16.5	22.45
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	9	24.	22.222	26.	16.	12.694	3.563	16.	19.5	25.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	25	2.4	4.528	16.	1.	21.339	4.619	1.1	1.55	6.5
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	113	261.	224.876	635.	-100.	32340.681	179.835	24.4	34.	377.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	129	491.	454.76	679.	50.	27170.981	164.836	54.	445.	553.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	129	2.8	3.873	12.	0.1	13.096	3.619	0.3	0.3	7.7
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	129	7.7	7.85	9.1	7.	0.319	0.565	7.2	7.35	8.4
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	129	7.7	7.578	9.1	7.	0.394	0.628	7.2	7.35	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	129	0.02	0.026	0.1	0.001	0.001	0.025	0.003	0.004	0.045
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	24	319.	323.958	408.	253.	1566.737	39.582	265.	306.	338.75
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	25	8.	9.36	20.	2.5	41.407	6.435	2.5	2.5	14.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	25	0.14	0.596	3.8	0.025	1.1	1.049	0.025	0.025	0.61
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	25	0.9	3.388	43.	0.4	72.387	8.508	0.5	0.6	2.25
00630p	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	11/12/74-09/18/96	24	0.55	0.758	2.6	0.05	0.601	0.775	0.075	0.25	0.675
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	25	0.065	0.133	0.71	0.03	0.032	0.18	0.04	0.05	0.115
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	25	0.02	0.06	0.46	0.005	0.011	0.104	0.005	0.005	0.073
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	25	249.	248.2	295.	204.	758.333	27.538	207.2	225.	272.
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	25	41.	40.4	73.	25.	79.25	8.902	29.6	36.	44.5
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	24	34.	33.	48.	23.	68.522	8.278	24.	25.	39.
00929p	SODIUM, TOTAL (MG/L AS NA)	04/17/75-09/04/96	25	12.	12.16	14.	9.	2.14	1.463	9.6	11.5	13.5
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	25	3.	2.764	3.5	1.4	0.494	0.703	1.7	2.1	3.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	25	19.	16.92	24.	1.	45.91	6.776	1.	16.	21.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	25	47.	47.72	60.	39.	25.627	5.062	40.6	45.5	48.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	25	412.	483.12	1245.	50.	111598.36	334.063	126.	190.	675.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	25 ##	50.	69.	475.	50.	7254.167	85.171	50.	50.	50.
01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	25	105.	251.8	1180.	10.	94349.833	307.164	20.	49.	400.
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	25	20.	206.	1005.	10.	88029.167	296.697	10.	10.	355.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	25 ##	50.	56.	200.	50.	900.	30.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	25 ##	50.	72.4	200.	50.	2344.	48.415	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	25 ##	250.	302.	700.	250.	15933.333	126.227	250.	250.	250.
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	25	2.2	2.324	8.6	0.5	3.144	1.773	0.5	0.9	3.
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	23	2.9	3.061	8.6	1.	3.703	1.924	1.	1.3	4.2

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Annual Analysis for 1977 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	135	20.	20.607	44.	0.	169.867	13.033	2.	10.	32.	40.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	109	20.	20.245	29.6	14.	17.706	4.208	15.	16.6	22.6	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	3	27.	27.	28.	26.	1.	1.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	25	4.4	8.348	38.	1.	91.374	9.559	1.62	2.6	9.4	25.8
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	109	285.	173.982	325.	-250.	32563.092	180.452	172.	245.5	304.	-190.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	109	405.	387.56	640.	50.	33601.952	183.308	52.	380.	523.5	570.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	109	3.6	3.977	18.6	0.	19.043	4.364	0.	0.15	6.3	9.4
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	109	7.6	7.679	9.2	6.7	0.371	0.61	6.8	7.2	8.	8.6
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	109	7.6	7.345	9.2	6.7	0.484	0.696	6.8	7.2	8.	8.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	109	0.025	0.045	0.2	0.001	0.003	0.052	0.003	0.01	0.063	0.158
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	25	406.	401.76	573.	243.	6135.523	78.33	282.6	353.	461.5	498.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	25	15.	17.24	67.	2.5	268.794	16.395	2.5	4.25	22.5	44.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	25	0.35	1.574	8.3	0.025	6.062	2.462	0.025	0.09	2.05	6.24
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	24	1.2	2.375	11.9	0.7	7.378	2.716	0.75	0.925	2.3	6.85
00630p	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	11/12/74-09/18/96	25	0.4	2.344	9.2	0.05	8.977	2.996	0.05	0.05	4.35	7.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	25	0.054	0.206	1.52	0.035	0.119	0.345	0.04	0.045	0.16	0.76
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	22 ##	0.005	0.065	0.76	0.005	0.027	0.165	0.005	0.005	0.039	0.205
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	25	240.	244.84	318.	190.	1655.557	40.689	190.	200.	281.5	300.
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	25	40.	41.32	80.	19.	231.477	15.214	20.	30.	53.	56.2
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	25	30.	27.08	37.	18.	42.16	6.493	18.	19.	32.	34.8
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	25	9.	8.968	12.	7.3	1.751	1.323	7.3	7.5	10.	11.
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	25	2.2	2.2	2.7	1.7	0.072	0.268	1.9	2.	2.4	2.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	25	26.	25.96	31.	24.	3.79	1.947	24.	25.	26.	29.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	25	45.	42.6	55.	11.	94.25	9.708	27.6	40.	47.5	52.8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	15 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	15 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	24	585.	1177.292	4655.	50.	1914017.346	1383.48	110.	185.	1728.75	4125.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	25 ##	50.	512.8	4000.	50.	1295162.667	1138.052	50.	50.	75.	2764.
01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	24	142.5	511.667	2545.	10.	581479.71	762.548	15.	40.	831.25	2067.5
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	25	39.	463.64	2545.	10.	563808.49	750.872	10.	15.	695.	1955.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	25 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	25 ##	50.	72.	185.	50.	1725.	41.533	50.	50.	82.5	145.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	10 ##	250.	490.	2000.	250.	323222.222	568.526	250.	250.	412.5	1890.
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	18	5.	5.4	8.7	0.5	4.813	2.194	2.84	4.05	7.025	8.61
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	15	5.8	5.507	9.2	0.5	5.581	2.362	1.52	3.6	6.6	8.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	180	20.	21.639	48.	0.	182.992	13.527	2.	10.	33.5	40.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	137	14.5	16.795	27.5	9.4	23.309	4.828	12.	12.7	21.25	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	3	16.	16.667	20.	14.	9.333	3.055	**	**	**	**
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	24	25.	28.875	39.	14.	62.114	7.881	20.5	23.	37.75	38.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	4	1.1	1.05	1.5	0.5	0.177	0.42	**	**	**	**
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	137	53.	115.27	315.	-32.	10758.316	103.722	34.	36.	200.	290.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	137	555.	538.613	680.	386.	4610.357	67.9	438.	487.5	590.	620.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	137	7.	5.369	12.1	0.	15.631	3.954	0.	0.25	8.1	9.82
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	137	7.9	7.763	8.4	5.6	0.205	0.453	7.26	7.5	8.	8.3
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	137	7.9	7.244	8.4	5.6	0.476	0.69	7.26	7.5	8.	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	137	0.013	0.057	2.512	0.004	0.063	0.252	0.005	0.01	0.032	0.056
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	27	174.	178.333	233.	131.	859.769	29.322	141.	152.	207.	216.

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Annual Analysis for 1978 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	33	343.	344.515	408.	288.	1411.945	37.576	295.4	311.5	374.5	400.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	33	8.	12.288	32.	2.5	80.11	8.95	2.5	5.5	20.5	26.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	32	0.255	0.508	5.	0.025	0.813	0.901	0.025	0.036	0.56	1.17
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	31	1.	1.365	5.	0.4	1.022	1.011	0.44	0.7	1.7	2.62
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	32	3.9	4.422	10.	1.7	4.697	2.167	1.8	2.525	6.45	7.05
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	32	0.075	0.098	0.385	0.015	0.006	0.079	0.025	0.036	0.154	0.201
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	30	0.03	0.047	0.13	0.005	0.002	0.04	0.005	0.019	0.061	0.119
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	33	237.	238.439	382.	2.5	4538.871	67.371	171.8	198.	276.	311.6
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	32	42.	41.156	56.	29.	49.426	7.03	30.	36.	45.	51.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	32	25.	25.875	35.	17.	22.371	4.73	22.	23.	26.	35.
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	32	7.25	7.338	10.	5.5	1.859	1.363	5.65	6.1	8.375	9.75
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	32	2.	2.138	3.5	1.3	0.437	0.661	1.4	1.6	2.7	3.24
00940p	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	33	22.	21.848	33.	14.	11.82	3.438	17.4	19.5	24.	24.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	27	43.	43.333	52.	32.	31.154	5.582	33.6	40.	48.	50.2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	29 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	29 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	31 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	32 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	32	507.5	772.281	2880.	170.	415225.628	644.38	194.	277.25	1125.	1713.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	32 ##	50.	76.25	750.	50.	15727.419	125.409	50.	50.	50.	50.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	32	32.5	145.188	1345.	10.	84485.06	290.663	10.	12.5	93.75	577.
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	32 ##	10.	138.438	1455.	10.	93250.706	305.37	10.	10.	100.	564.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	41	5.5	12.344	99.92	1.22	298.625	17.281	1.916	3.18	15.43	31.082
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	37	2.2	7.721	32.84	0.5	101.367	10.068	0.5	1.29	10.355	27.422
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	32 ##	0.79	2.34	13.15	0.5	8.007	2.83	0.5	0.5	3.94	6.11
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	36	3.585	8.086	154.52	0.5	644.052	25.378	1.02	1.528	4.295	9.715
32219p	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	36	1.3	1.319	1.6	1.	0.036	0.191	1.07	1.2	1.5	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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Annual Analysis for 1979 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	252	20.	20.71	44.	0.	170.262	13.048	2.	10.	32.	40.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	200	21.1	20.988	29.1	12.7	9.526	3.086	17.02	19.125	23.	24.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	13	24.	22.615	31.	14.	37.256	6.104	14.	15.	26.	31.
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	179	39.4	40.393	81.6	0.	559.097	23.645	7.4	20.	60.	70.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	108	108.	99.611	201.	21.	2517.399	50.174	29.7	52.	143.75	165.3
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	200	246.5	229.585	370.	29.	10559.108	102.758	51.	170.5	306.	350.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	200	535.5	542.305	697.	390.	5659.731	75.231	436.3	495.25	601.75	641.9
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	200	3.65	4.148	18.7	0.	17.88	4.228	0.	0.425	6.175	9.39
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	200	7.6	7.683	8.8	6.9	0.167	0.409	7.2	7.4	7.9	8.3
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	200	7.6	7.527	8.8	6.9	0.192	0.438	7.2	7.4	7.9	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	200	0.025	0.03	0.126	0.002	0.001	0.025	0.005	0.013	0.04	0.063
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	30	0.2	0.292	1.3	0.05	0.078	0.279	0.055	0.1	0.425	0.69
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	20	0.85	0.885	1.6	0.2	0.137	0.37	0.3	0.7	1.225	1.39
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	20	3.05	27.975	480.	1.9	11326.253	106.425	1.91	2.25	6.75	10.76
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	20	0.085	0.095	0.18	0.005	0.003	0.055	0.009	0.045	0.14	0.179
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	30	0.03	0.062	0.61	0.005	0.012	0.109	0.005	0.01	0.083	0.09
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	25	255.	277.56	476.	115.	8188.09	90.488	196.2	229.	296.5	469.6
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	30	64.5	70.29	129.	4.7	776.192	27.86	41.	53.75	85.	110.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	30	26.	31.27	52.	22.	109.215	10.451	23.	24.75	41.	48.9
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	30	8.9	9.077	13.	6.3	2.692	1.641	7.4	7.7	9.925	11.9

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Annual Analysis for 1979 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	30	2.65	3.09	7.2	1.1	3.364	1.834	1.21	1.875	3.325	6.79
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	30	21.	19.367	25.	9.	19.275	4.39	11.	18.75	22.	23.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	30	34.	38.1	57.	16.	118.507	10.886	27.1	30.75	51.	55.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	30 ###	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	29 ###	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	25 ###	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	25 ###	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	25	570.	825.6	2400.	185.	326690.25	571.568	196.	335.	1292.5	1508.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	20 ###	50.	57.5	100.	50.	335.526	18.317	50.	50.	50.	100.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	25	55.	133.8	880.	10.	42167.25	205.347	10.	10.	185.	416.
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	20	30.	141.1	830.	10.	45822.516	214.062	10.	10.	274.	419.4
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	25 ###	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	25 ###	50.	62.8	200.	50.	1179.333	34.341	50.	50.	50.	108.
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	10	2.5	1.84	3.	0.5	1.363	1.167	0.5	0.5	2.85	3.
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	10	2.5	1.95	3.4	0.5	1.316	1.147	0.5	0.5	2.85	3.36

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Annual Analysis for 1980 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	192	18.	18.813	44.	0.	161.054	12.691	2.	7.	30.	36.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	127	22.1	20.426	26.9	7.9	22.185	4.71	12.42	18.9	23.4	25.04
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	36	2.2	10.2	69.	0.	294.593	17.164	0.1	0.45	12.	36.1
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	109	47.	46.742	99.	1.	842.876	29.032	7.	18.5	64.	88.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	56	27.5	33.139	90.	4.8	630.407	25.108	5.71	11.25	54.5	70.6
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	21	275.	240.	290.	75.	4080.	63.875	124.	207.5	285.	289.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/29/80-08/10/83	106	505.	503.783	642.	370.	4053.162	63.664	417.8	451.	535.	595.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	127	3.1	4.383	17.6	0.	20.851	4.566	0.	0.1	7.	12.3
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	127	7.5	7.61	8.6	6.8	0.122	0.35	7.3	7.4	7.8	8.
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	127	7.5	7.501	8.6	6.8	0.134	0.366	7.3	7.4	7.8	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	127	0.032	0.032	0.158	0.003	0.	0.021	0.01	0.016	0.04	0.05
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	27	183.	183.185	230.	140.	740.464	27.211	145.	158.	200.	225.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	38	0.1	0.195	0.7	0.05	0.026	0.162	0.05	0.05	0.3	0.41
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	38	0.8	0.857	1.4	0.05	0.079	0.281	0.49	0.7	1.1	1.2
00630p	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	11/12/74-09/18/96	38	3.8	5.774	15.1	1.3	12.492	3.534	2.18	3.05	7.9	11.97
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	38	0.095	0.095	0.19	0.04	0.001	0.032	0.049	0.07	0.113	0.132
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	38	0.045	0.049	0.23	0.005	0.002	0.04	0.01	0.02	0.07	0.08
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	36	271.	273.333	351.	197.	1672.229	40.893	220.7	242.25	307.	339.9
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	38	59.	61.674	86.5	39.6	120.036	10.956	49.84	53.95	70.55	79.71
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	38	29.85	28.979	34.7	22.4	11.177	3.343	23.84	26.	32.	33.
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	38	5.6	5.748	40.	1.84	35.967	5.997	2.389	2.585	6.	7.
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	38	1.91	3.636	12.	1.2	12.57	3.545	1.3	1.783	3.95	11.53
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	38	19.	18.316	24.	9.	10.438	3.231	14.	17.	20.	23.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	38	43.	39.395	49.	24.	77.326	8.794	24.	31.	46.	48.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	38 ##	0.5	0.513	1.	0.5	0.007	0.081	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	38 ##	0.5	0.605	4.	0.5	0.326	0.571	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	38 ##	0.5	0.974	2.5	0.5	0.743	0.862	0.5	0.5	1.	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	38 ##	1.	1.303	2.5	0.5	0.764	0.874	0.5	0.5	2.125	2.5
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	38	555.	653.684	2400.	50.	289429.303	537.986	118.	215.	940.	1541.
01046p	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	38 ##	50.	96.579	400.	50.	10336.629	101.669	50.	50.	62.5	300.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	38	20.	74.737	410.	5.	9117.496	95.486	5.	10.	122.5	214.
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	38 ##	5.	38.947	330.	5.	5529.943	74.364	5.	5.	35.	139.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	38 ##	25.	25.868	58.	25.	28.658	5.353	25.	25.	25.	25.
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	38 ##	25.	27.842	100.	25.	173.164	13.159	25.	25.	25.	25.
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	44	10.435	19.696	63.07	3.57	341.292	18.474	5.685	6.698	27.25	54.14
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	41	8.65	15.554	58.15	0.5	296.556	17.221	2.88	3.52	19.86	48.506

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Annual Analysis for 1980 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	35	1.01	2.036	13.21	0.5	7.355	2.712	0.5	0.5	1.96	5.936
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	41	6.98	7.957	45.81	1.28	49.197	7.014	1.828	5.04	9.145	12.652
32219p	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	37	1.4	1.392	1.6	1.	0.03	0.172	1.2	1.2	1.55	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5

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Annual Analysis for 1981 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	212	12.	16.637	46.	0.	181.303	13.465	2.	5.	28.	38.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	120	20.	19.393	26.6	11.3	21.009	4.584	12.4	14.625	23.275	24.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	10	20.5	19.4	25.	14.	17.6	4.195	14.	14.	22.5	24.9
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	19	4.6	13.5	64.	0.	319.62	17.878	0.2	0.8	24.	45.
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	108	27.5	31.607	67.	0.	354.44	18.827	3.34	19.25	50.	56.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	1	1.9	1.9	1.9	1.9	0	0	**	**	**	**
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	76	171.5	207.197	411.	31.	10763.947	103.749	103.2	138.5	314.	386.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/29/80-08/10/83	120	557.5	537.525	642.	432.	3701.882	60.843	434.	492.75	571.5	610.3
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	120	5.6	5.406	12.6	0.2	11.552	3.399	0.61	2.75	7.15	10.59
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	120	7.5	7.449	8.4	6.7	0.192	0.438	6.9	7.125	7.7	8.1
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	120	7.5	7.258	8.4	6.7	0.229	0.479	6.9	7.125	7.7	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	120	0.032	0.055	0.2	0.004	0.003	0.052	0.008	0.02	0.075	0.126
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	30	188.	162.467	284.	0.5	6945.689	83.341	26.	93.5	224.	260.6
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	30	392.	368.067	482.	24.	12218.892	110.539	289.2	323.	441.5	467.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	28	43.	42.25	98.	5.	736.491	27.138	5.	15.	59.5	86.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	30 ###	0.05	0.228	1.7	0.05	0.118	0.343	0.05	0.05	0.4	0.59
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	30	0.7	0.738	2.1	0.05	0.159	0.398	0.3	0.5	0.8	1.26
00630p	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	11/12/74-09/18/96	30	3.5	3.608	8.5	0.05	8.412	2.9	0.05	1.	5.8	8.37
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	30	0.03	0.055	0.15	0.005	0.003	0.051	0.005	0.005	0.095	0.13
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	30 ###	0.005	0.028	0.11	0.005	0.001	0.032	0.005	0.005	0.05	0.079
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	30	223.	231.4	312.	176.	1692.938	41.145	178.	201.25	258.	304.8
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	30	48.5	51.4	73.	37.	134.11	11.581	38.2	40.	60.	71.8
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	30	26.	25.037	31.5	16.	19.675	4.436	16.	25.25	27.25	30.44
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	30	5.5	5.473	7.3	3.	1.319	1.148	4.	5.	6.075	7.
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	30	2.	1.987	4.	0.5	0.713	0.844	0.5	1.875	2.275	3.
00940p	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	30	21.5	23.3	30.	15.	25.666	5.066	16.	21.	29.	30.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	30	43.	40.767	68.	16.	189.151	13.753	20.2	32.75	44.	65.2
01025	CADMIUM, DISSOLVED (UG/L AS Cd)	07/28/77-05/12/86	5 ###	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS Cd)	11/12/74-09/04/96	5 ###	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS Cr)	05/21/76-05/12/86	5 ###	0.5	1.	3.	0.5	1.25	1.118	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS Cr)	04/17/75-09/04/96	5 ###	0.5	1.3	3.	0.5	1.325	1.151	**	**	**	**
01042	COPPER, TOTAL (UG/L AS Cu)	11/12/74-09/04/96	5 ###	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS Fe)	11/12/74-09/18/96	30	650.	1374.8	13200.	50.	6068834.51	2463.5	124.8	199.5	1395.25	2680.
01046p	IRON, DISSOLVED (UG/L AS Fe)	04/17/75-08/10/83	30 ###	50.	71.667	700.	50.	14083.333	118.673	50.	50.	50.	50.
01051	LEAD, TOTAL (UG/L AS Pb)	11/12/74-09/04/96	5 ###	1.	1.	1.	1.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS Mn)	11/12/74-09/18/96	30	52.5	165.833	1200.	10.	65158.902	255.262	10.1	18.5	219.75	481.4
01056p	MANGANESE, DISSOLVED (UG/L AS Mn)	04/17/75-08/10/83	30 ###	5.	96.833	850.	5.	32966.351	181.566	5.	5.	132.5	306.
01090	ZINC, DISSOLVED (UG/L AS Zn)	05/21/76-08/10/83	30 ###	25.	31.333	100.	25.	306.782	17.515	25.	25.	25.	60.
01092p	ZINC, TOTAL (UG/L AS Zn)	02/04/75-09/04/96	30 ###	25.	49.7	190.	25.	1617.803	40.222	25.	25.	70.	105.4
01105	ALUMINUM, TOTAL (UG/L AS Al)	05/21/76-09/04/96	30	612.5	1399.833	12120.	164.	5115504.144	2261.748	190.	336.25	1512.	3191.
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	89	21.2	28.378	115.6	3.09	592.74	24.346	3.77	7.08	39.815	61.08
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	85	15.37	24.426	114.38	0.5	578.393	24.05	0.968	4.	39.27	57.478
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	55	1.48	2.259	9.13	0.5	3.413	1.847	0.5	1.02	3.65	4.91
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	85	5.9	7.298	30.68	0.5	33.136	5.756	1.898	3.725	8.435	16.27
32219p	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	85	1.4	1.382	1.6	1.	0.04	0.201	1.1	1.2	1.6	1.6
71890	MERCURY, DISSOLVED (UG/L AS Hg)	05/21/76-05/12/86	5 ###	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82537 TURBIDITY, FORWARD SCATTER JTU	04/28/81-03/31/87	120	40.	47.175	280.	5.	1722.885	41.508	12.2	20.	60.	80.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	133	20.	19.504	46.	0.	171.994	13.115	2.	8.	30.	38.
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	106	22.95	22.112	29.9	12.5	17.02	4.125	14.05	20.75	24.325	27.
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00031 LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	32	3.4	10.703	66.	0.	244.953	15.651	0.03	0.6	15.5	38.8
00074p TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	106	48.	43.255	70.	10.	271.754	16.485	15.7	30.75	56.5	60.6
00090p OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	21	147.	142.714	164.	118.	139.614	11.816	125.4	130.5	150.	154.4
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/29/80-08/10/83	106	478.	506.151	710.	414.	6354.987	79.718	421.7	437.75	564.25	616.3
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	106	3.45	3.937	13.6	0.	14.088	3.753	0.	0.	5.975	9.62
00400p PH (STANDARD UNITS)	11/12/74-10/29/96	87	7.6	7.62	8.6	6.7	0.261	0.511	7.	7.2	8.	8.4
00400p CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	87	7.6	7.37	8.6	6.7	0.324	0.57	7.	7.2	8.	8.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	87	0.025	0.043	0.2	0.003	0.002	0.043	0.004	0.01	0.063	0.1
00410p ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	20	206.5	265.3	506.	129.	11782.116	108.545	168.3	202.	332.25	456.5
00500p RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	10	359.	355.4	388.	306.	561.822	23.703	308.8	341.5	373.	386.8
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	10 ##	5.	21.8	96.	5.	1265.289	35.571	5.	5.	24.25	94.6
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	25	0.3	0.458	2.	0.05	0.308	0.555	0.05	0.05	0.55	1.56
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	23	0.7	0.743	2.	0.2	0.213	0.461	0.24	0.4	1.1	1.5
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	23	2.5	3.265	22.7	0.05	22.149	4.706	0.05	0.05	4.7	5.18
00665p PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	23 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00666p PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	16 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00900p HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	10	247.5	252.9	309.	202.	1627.211	40.339	202.2	216.75	296.	308.3
00916p CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	10	47.	46.1	56.	33.	64.322	8.02	33.1	40.	52.75	55.9
00927p MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	10	33.	33.5	41.	26.	40.5	6.364	26.1	27.	40.	40.9
00929p SODIUM, TOTAL (MG/L AS NA)	04/17/75-09/04/96	10	6.5	6.7	8.	6.	0.678	0.823	6.	6.	7.25	8.
00937p POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	10	2.	1.85	3.	0.5	1.503	1.226	0.5	0.5	3.	3.
00940p CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	5	30.	31.2	33.	30.	2.7	1.643	**	**	**	**
00945p SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	25	51.	56.78	89.	2.5	323.168	17.977	45.	48.	74.	79.
01025 CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	4 ##	0.5	2.625	9.	0.5	18.063	4.25	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	5 ##	0.5	2.2	9.	0.5	14.45	3.801	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045p IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	10	350.	515.	1500.	50.	268916.667	518.572	55.	100.	850.	1480.
01046p IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	10 ##	50.	90.	400.	50.	12111.111	110.05	50.	50.	62.5	370.
01051 LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	5 ##	1.	6.	24.	1.	102.	10.1	**	**	**	**
01055p MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	10	45.	203.	760.	10.	76934.444	277.371	11.	20.	487.5	738.
01056p MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	10	25.	156.5	590.	5.	53072.5	230.375	5.	5.	375.	582.
01090 ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092p ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	10 ##	25.	33.5	60.	25.	194.722	13.954	25.	25.	50.	59.
01105 ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	10	345.	681.	1970.	130.	480187.778	692.956	135.	210.	1070.	1961.
32210p CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	24	11.515	14.76	35.82	2.03	109.496	10.464	3.895	6.658	19.38	33.35
32211p CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	20	6.67	9.945	33.32	0.5	81.535	9.03	2.141	3.4	15.05	26.493
32212p CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	21	1.27	1.41	3.29	0.5	0.828	0.91	0.5	0.5	2.115	3.008
32218p PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	20	5.195	5.251	10.35	1.15	5.638	2.375	1.725	3.753	6.583	9.335
32219p PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	20	1.4	1.385	1.6	1.2	0.017	0.131	1.2	1.3	1.5	1.59
82537 TURBIDITY, FORWARD SCATTER JTU	04/28/81-03/31/87	100	15.	17.83	85.	5.	133.88	11.571	10.	10.	20.	25.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	17	8.	12.118	40.	0.	145.485	12.062	0.8	3.5	17.	40.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	11	28.	26.636	28.2	23.6	3.403	1.845	23.7	24.6	28.1	28.18
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	8	5.	11.675	44.	0.	232.205	15.238	**	**	**	**
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	11	42.	40.545	46.	30.	26.473	5.145	30.8	36.	44.	46.
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	11	361.	364.545	420.	304.	1812.073	42.568	304.8	323.	413.	419.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/29/80-08/10/83	11	492.	470.182	556.	355.	5111.164	71.492	361.4	387.	534.	554.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	11	10.3	6.1	11.8	0.	31.736	5.633	0.	0.	10.9	11.72
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	11	9.	8.427	9.9	6.9	1.374	1.172	6.9	7.2	9.5	9.86
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	11	9.	7.479	9.9	6.9	2.364	1.538	6.9	7.2	9.5	9.86
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	11	0.001	0.033	0.126	0.	0.002	0.05	0.	0.	0.063	0.126
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	3	164.	167.667	201.	138.	1002.333	31.66	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	3	268.	268.	278.	258.	100.	10.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	3	18.	16.	20.	10.	28.	5.292	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	3	0.7	0.6	0.9	0.2	0.13	0.361	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	3	1.3	1.167	1.3	0.9	0.053	0.231	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	3	157.	162.	203.	126.	1501.	38.743	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	3	30.	29.667	40.	19.	110.333	10.504	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	3	20.	21.333	25.	19.	10.333	3.215	**	**	**	**
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	3	5.	5.667	7.	5.	1.333	1.155	**	**	**	**
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00940p	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	3	20.	20.	21.	19.	1.	1.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	3	46.	46.	46.	46.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	3	200.	183.333	300.	50.	15833.333	125.831	**	**	**	**
01046p	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	3##	50.	50.	50.	50.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	3	20.	106.667	290.	10.	25233.333	158.85	**	**	**	**
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	3##	5.	23.333	60.	5.	1008.333	31.754	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	3##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	3##	25.	25.	25.	25.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	3	170.	125.	180.	25.	7525.	86.747	**	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	3	48.76	40.6	59.87	13.17	595.162	24.396	**	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	2	25.215	25.215	45.5	4.93	822.962	28.687	**	**	**	**
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	2	2.19	2.19	2.27	2.11	0.013	0.113	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	2	5.03	5.03	5.54	4.52	0.52	0.721	**	**	**	**
32219p	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	2	1.55	1.55	1.6	1.5	0.005	0.071	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82537	TURBIDITY, FORWARD SCATTER JTU	04/28/81-03/31/87	11	36.	47.273	80.	32.	361.818	19.022	32.	32.	70.	79.2

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Annual Analysis for 1986 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	19	12.	14.211	40.	0.	141.842	11.91	0.	4.	20.	35.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	15	17.	17.38	21.7	12.	12.845	3.584	12.18	14.5	21.2	21.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	13	17.	17.	17.	17.	0.	0.	17.	17.	17.	17.
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	15	18.6	17.22	25.1	5.4	29.422	5.424	8.64	13.4	21.8	24.08
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	15	550.	541.4	596.	491.	1522.114	39.014	491.6	500.	575.	593.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	15	6.3	8.7	16.5	1.4	28.433	5.332	1.94	4.6	14.3	16.14
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	15	8.2	8.387	9.1	7.7	0.188	0.434	7.82	8.	8.7	9.04
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	15	8.2	8.208	9.1	7.7	0.223	0.472	7.82	8.	8.7	9.04
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	15	0.006	0.006	0.02	0.001	0.	0.005	0.001	0.002	0.01	0.016
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	3	0.6	0.633	0.7	0.6	0.003	0.058	**	**	**	**

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Annual Analysis for 1986 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	1 ##	0.5	0.5	0.5	0.	0.	**	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	3	33.48	37.96	63.29	17.11	548.201	23.414	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	3	26.49	31.143	55.84	11.1	516.657	22.73	**	**	**
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	3	3.42	5.19	10.62	1.53	23.007	4.797	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	3	10.3	10.023	10.35	9.42	0.274	0.523	**	**	**
32219p	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	3	1.5	1.5	1.6	1.4	0.01	0.1	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	1 ##	0.5	0.5	0.5	0.	0.	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-03/31/87	15	15.	17.	20.	15.	6.429	2.535	15.	15.	20.

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Annual Analysis for 1987 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	49	12.	11.102	25.	0.	60.135	7.755	0.	5.	17.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	36	6.75	6.658	9.9	3.3	7.319	2.705	3.3	3.3	9.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	3	3.	3.667	6.	2.	4.333	2.082	**	**	**
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	36	8.4	8.364	14.6	2.7	20.02	4.474	3.	3.2	12.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	35	642.	634.171	657.	603.	430.793	20.756	606.	608.	655.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	36	12.5	15.983	23.5	12.	27.085	5.204	12.1	12.2	23.075
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	36	8.5	8.492	8.7	8.3	0.014	0.118	8.3	8.4	8.6
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	36	8.5	8.476	8.7	8.3	0.014	0.119	8.3	8.4	8.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	36	0.003	0.003	0.005	0.002	0.	0.001	0.002	0.003	0.004
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	9	220.	231.889	294.	150.	1853.611	43.054	150.	216.	273.
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	9	430.	454.222	546.	419.	1980.944	44.508	419.	425.5	490.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	9	46.	38.778	91.	5.	981.194	31.324	5.	5.	62.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	9	0.6	0.517	1.1	0.05	0.169	0.412	0.05	0.05	0.85
00630p	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	11/12/74-09/18/96	9	3.5	3.311	3.7	2.6	0.199	0.446	2.6	2.8	3.7
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	9	0.137	0.2	0.507	0.086	0.021	0.145	0.086	0.096	0.3
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	9	292.	295.444	306.	289.	45.278	6.729	289.	290.	303.
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	9	62.	64.778	71.	60.	17.194	4.147	60.	62.	69.5
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	9	34.	34.	35.	33.	0.25	0.5	33.	34.	35.
00929p	SODIUM, TOTAL (MG/L AS NA)	04/17/75-09/04/96	9	13.	12.556	14.	10.	2.278	1.509	10.	11.	14.
00940p	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	9	36.	36.333	37.	36.	0.25	0.5	36.	36.	37.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	9	56.	57.333	60.	56.	3.25	1.803	56.	56.	59.5
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	9	300.	233.333	300.	100.	7500.	86.603	100.	150.	300.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	9	20.	22.222	40.	5.	213.194	14.601	5.	7.5	40.
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	9	180.	184.444	260.	130.	2577.778	50.772	130.	130.	235.
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	9	39.85	53.121	97.53	22.52	1041.119	32.266	22.52	24.595	93.77
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	9	32.14	34.432	57.36	18.09	247.027	15.717	18.09	18.35	51.62
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	9	14.56	28.763	73.32	5.51	761.56	27.596	5.51	9.355	60.825
32219p	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	9	1.5	1.422	1.5	1.3	0.009	0.097	1.3	1.3	1.5
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-03/31/87	36	30.	35.694	55.	25.	103.075	10.153	25.	30.	48.75

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Annual Analysis for 1988 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	44	9.5	11.432	40.	0.	103.6	10.178	0.5	4.	16.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	15	22.2	22.247	27.4	16.2	15.554	3.944	16.44	18.8	26.5

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Annual Analysis for 1988 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	13	6.1	18.569	87.	0.7	708.297	26.614	0.86	1.75	28.	75.4
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	15	14.	13.827	21.	4.5	34.524	5.876	5.46	8.4	19.	21.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	15	539.	537.533	603.	482.	1605.41	40.068	482.	502.	566.	599.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	15	0.2	2.953	11.6	0.1	21.124	4.596	0.1	0.2	6.3	11.48
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	15	3.8	5.547	8.8	3.5	5.846	2.418	3.56	3.6	8.5	8.8
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	15	3.8	3.865	8.8	3.5	8.876	2.979	3.56	3.6	8.5	8.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	15	158.489	136.512	316.228	0.002	15092.967	122.853	0.002	0.003	251.189	277.204
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	4	134.5	140.75	181.	113.	896.25	29.937	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	4	395.	394.5	429.	359.	841.	29.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	4 ##	5.	6.5	11.	5.	9.	3.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	4	0.3	0.413	1.	0.05	0.174	0.417	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	4	0.8	0.925	1.4	0.7	0.109	0.33	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	4	3.5	3.3	3.7	2.5	0.3	0.548	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	4	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	5	36.	37.	42.	34.	9.	3.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	17	3.	14.118	53.	0.	454.809	21.326	0.	0.1	29.	51.4
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	14	35.06	33.778	49.91	14.16	154.138	12.415	14.355	23.613	44.358	48.92
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	11	20.75	24.392	43.4	7.79	171.546	13.098	7.83	11.35	36.73	42.746
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	14	1.58	1.85	3.86	1.09	0.515	0.718	1.145	1.4	2.15	3.22
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	11	10.42	10.664	15.35	7.8	3.988	1.997	7.934	9.64	11.3	14.742
32219p	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	11	1.5	1.455	1.6	1.3	0.015	0.121	1.3	1.3	1.6	1.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	107	12.	14.121	45.	0.	128.447	11.333	1.8	6.	20.	31.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	87	25.1	24.911	29.9	11.4	9.948	3.154	22.22	24.1	26.7	28.54
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	2	28.5	28.5	31.	26.	12.5	3.536	**	**	**	**
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	10	12.5	15.75	41.	0.5	213.847	14.624	0.65	2.	29.75	40.1
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	15	25.	25.067	48.	0.5	320.031	17.889	0.5	4.	43.	47.4
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	44	222.	193.886	283.	0.	4477.219	66.912	112.5	132.25	229.5	264.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	87	466.	473.563	613.	409.	2361.388	48.594	414.8	428.	513.	525.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	87	4.5	4.413	11.8	0.	14.542	3.813	0.1	0.5	8.1	10.32
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	72	7.6	7.753	8.8	6.8	0.19	0.436	7.3	7.4	8.1	8.4
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	72	7.6	7.564	8.8	6.8	0.227	0.476	7.3	7.4	8.1	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	72	0.025	0.027	0.158	0.002	0.001	0.027	0.004	0.008	0.04	0.05
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	11	160.	145.909	220.	80.	2679.091	51.76	81.	90.	185.	220.
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	3	323.	329.	354.	310.	511.	22.605	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	3	323.	317.667	338.	292.	550.333	23.459	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	2	0.75	0.75	1.4	0.1	0.845	0.919	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	2	1.05	1.05	1.8	0.3	1.125	1.061	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	2	0.75	0.75	1.4	0.1	0.845	0.919	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	2	0.04	0.04	0.05	0.029	0.	0.015	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	14	20.	22.071	45.	7.5	174.302	13.202	7.5	7.5	30.	44.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	3	30.	29.	30.	27.	3.	1.732	**	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	14	16.955	22.939	44.95	11.47	144.508	12.021	11.89	12.755	31.81	44.345
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	14	13.695	18.636	41.76	7.25	133.094	11.537	7.57	9.608	25.585	41.265
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	14 ##	0.795	1.186	3.13	0.5	0.738	0.859	0.5	0.5	1.723	2.785
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	14	5.91	6.132	20.13	1.64	20.886	4.57	1.695	3.093	6.868	14.435
32219p	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	14	1.55	1.521	1.7	1.3	0.016	0.125	1.35	1.4	1.6	1.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station HOCU0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	16	15.	17.813	45.	0.	189.229	13.756	1.4	6.5	28.75	41.5
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	16	22.65	21.406	24.1	16.8	9.163	3.027	16.87	17.525	24.1	24.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	16	227.	196.75	255.	88.	4098.2	64.017	90.8	120.75	242.25	255.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	16	491.5	491.938	546.	448.	1758.196	41.931	448.	448.	538.25	544.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	16	3.25	3.906	8.2	0.	14.883	3.858	0.	0.	8.2	8.2
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	16	8.15	8.269	8.7	7.8	0.142	0.377	7.8	7.925	8.7	8.7
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	16	8.125	8.133	8.7	7.8	0.162	0.402	7.8	7.925	8.7	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	16	0.008	0.007	0.016	0.002	0.	0.005	0.002	0.002	0.012	0.016
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	3	152.	156.	164.	152.	48.	6.928	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	3	60.	60.	60.	60.	0.	0.	**	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	3	12.64	12.68	13.04	12.36	0.117	0.342	**	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	3	10.4	10.403	10.52	10.29	0.013	0.115	**	**	**	**
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	3	2.89	3.153	3.74	2.83	0.259	0.509	**	**	**	**
32219p	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	3	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	15	14.	15.867	38.	0.	139.838	11.825	1.2	6.	25.	36.2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	15	16.8	16.873	17.4	16.6	0.055	0.234	16.66	16.7	16.9	17.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	15	456.	454.	465.	436.	70.286	8.384	440.2	449.	461.	465.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	15	435.	437.333	444.	433.	15.095	3.885	433.	435.	440.	444.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	15	3.6	3.553	3.9	3.	0.094	0.307	3.	3.5	3.7	3.9
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	15	7.6	7.587	7.6	7.5	0.001	0.035	7.5	7.6	7.6	7.6
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	15	7.6	7.585	7.6	7.5	0.001	0.035	7.5	7.6	7.6	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	15	0.025	0.026	0.032	0.025	0.	0.002	0.025	0.025	0.025	0.032
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	4	164.	165.	172.	160.	36.	6.	**	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	4	14.905	14.883	15.94	13.78	1.056	1.027	**	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	4	8.79	8.758	9.14	8.31	0.161	0.402	**	**	**	**
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	4 ###	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	4	9.825	9.65	10.73	8.22	1.217	1.103	**	**	**	**
32219p	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	4	1.3	1.325	1.4	1.3	0.002	0.05	**	**	**	**

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Annual Analysis for 1994 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	1	0.	0.	0.	0.	0.	0.	**	**	**	**
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	1	10.85	10.85	10.85	10.85	0.	0.	**	**	**	**
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	1	9.78	9.78	9.78	9.78	0.	0.	**	**	**	**
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	1	2.23	2.23	2.23	2.23	0.	0.	**	**	**	**
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	1	1.44	1.44	1.44	1.44	0.	0.	**	**	**	**
32219p	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**

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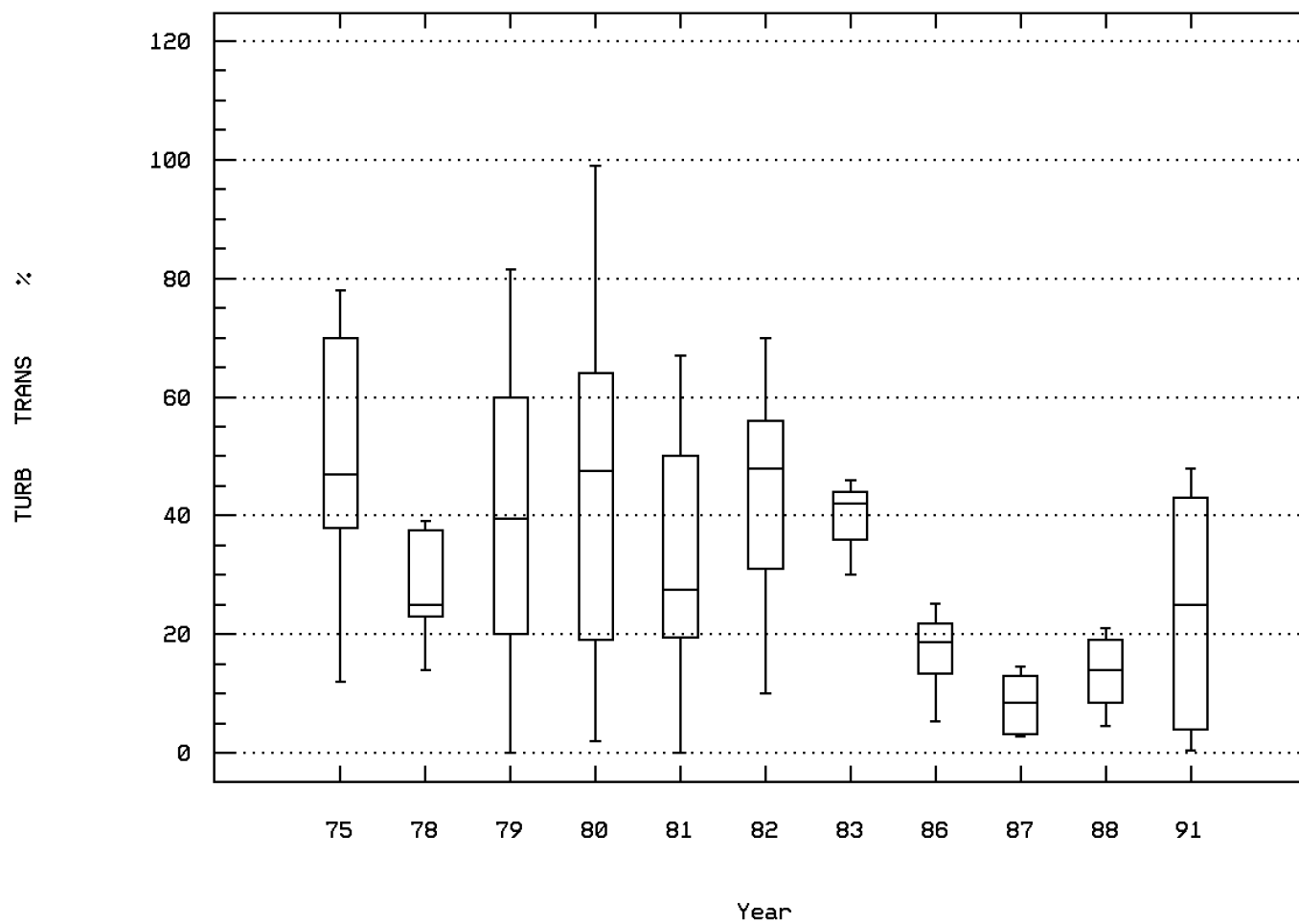
Annual Analysis for 1996 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	425	16.	20.442	75.	0.	236.03	15.363	3.	8.	33.	39.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	412	22.	20.954	28.2	7.8	24.41	4.941	14.09	18.625	25.	26.37
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	13	23.	23.308	32.	5.	57.231	7.565	9.	20.	30.	31.6
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	70	5.	14.896	99.	0.	482.067	21.956	0.	0.9	21.25	46.
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	412	438.5	444.408	630.	243.	6865.848	82.86	339.3	398.	483.75	536.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	410	424.	422.202	527.	155.	4081.878	63.89	340.4	401.75	463.25	503.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	412	3.7	4.567	14.5	0.	14.329	3.785	0.1	2.1	6.6	10.4
00400p	PH (STANDARD UNITS)	11/12/74-10/29/96	412	7.5	7.672	9.1	6.9	0.169	0.411	7.2	7.4	8.	8.3
00400p	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	412	7.5	7.525	9.1	6.9	0.191	0.437	7.2	7.4	8.	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	412	0.032	0.03	0.126	0.001	0.	0.022	0.005	0.01	0.04	0.063
00410p	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	55	152.	152.945	200.	86.	782.053	27.965	112.8	136.	176.	193.6
00500p	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	33	273.	286.364	424.	156.	3975.989	63.055	209.	248.	338.	373.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	33	13.	20.121	76.	2.	423.672	20.583	3.8	6.	23.	62.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	30	0.085	0.413	2.26	0.01	0.315	0.562	0.01	0.04	0.815	1.166
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	25	0.34	0.734	3.58	0.01	0.793	0.891	0.016	0.075	1.51	1.88
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	33	3.11	3.06	6.63	0.025	2.872	1.695	1.048	2.215	3.97	6.152
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	33	0.11	0.116	0.24	0.03	0.004	0.064	0.04	0.06	0.165	0.21
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	33 ##	0.01	0.038	0.15	0.01	0.002	0.044	0.01	0.01	0.065	0.112
00900p	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	9	211.	221.667	267.	181.	1126.5	33.563	181.	191.5	259.5	267.
00916p	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	8	46.05	48.288	61.8	37.3	95.261	9.76	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	8	26.3	25.838	29.2	21.7	8.037	2.835	**	**	**	**
00929p	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	9	7.11	7.389	9.42	5.42	1.998	1.413	5.42	6.135	8.735	9.42
00937p	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	9	2.44	2.54	3.41	1.06	0.596	0.772	1.06	2.05	3.215	3.41
00940p	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	9	12.	12.556	16.	10.	4.278	2.068	10.	11.	14.5	16.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	9	20.	19.444	25.	14.	17.028	4.126	14.	14.5	22.5	25.
01027	CADMIUM, TOTAL (UG/L AS Cd)	11/12/74-09/04/96	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	9 ##	0.5	0.556	1.	0.5	0.028	0.167	0.5	0.5	0.5	1.
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	9 ##	2.	3.111	6.	2.	2.861	1.691	2.	2.	5.	6.
01045p	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	33	590.	1028.742	3440.	2.	1010969.064	1005.47	24.	129.	1870.	2496.
01051	LEAD, TOTAL (UG/L AS Pb)	11/12/74-09/04/96	9 ##	0.5	0.722	2.	0.5	0.257	0.507	0.5	0.5	0.75	2.
01055p	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	33	41.	160.667	1330.	8.	92516.354	304.165	10.4	25.	109.5	725.
01092p	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	9 ##	2.5	6.5	18.	2.5	32.625	5.712	2.5	2.5	11.	18.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	9	155.	495.111	1450.	50.	353339.361	594.424	50.	85.	1156.	1450.
32210p	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	45	12.16	22.222	110.22	1.44	479.194	21.891	3.02	6.45	36.05	45.268
32211p	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	42	9.38	19.692	96.63	0.5	398.945	19.974	2.795	4.623	32.14	40.469
32212p	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	44 ##	0.5	1.498	4.9	0.5	1.793	1.339	0.5	0.5	2.525	3.815
32218p	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	42	5.06	5.082	16.49	1.49	9.281	3.046	1.593	2.853	6.705	8.7
32219p	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	42	1.5	1.488	1.6	1.2	0.014	0.117	1.33	1.4	1.6	1.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: HOCU0057 Parameter Code: 00074

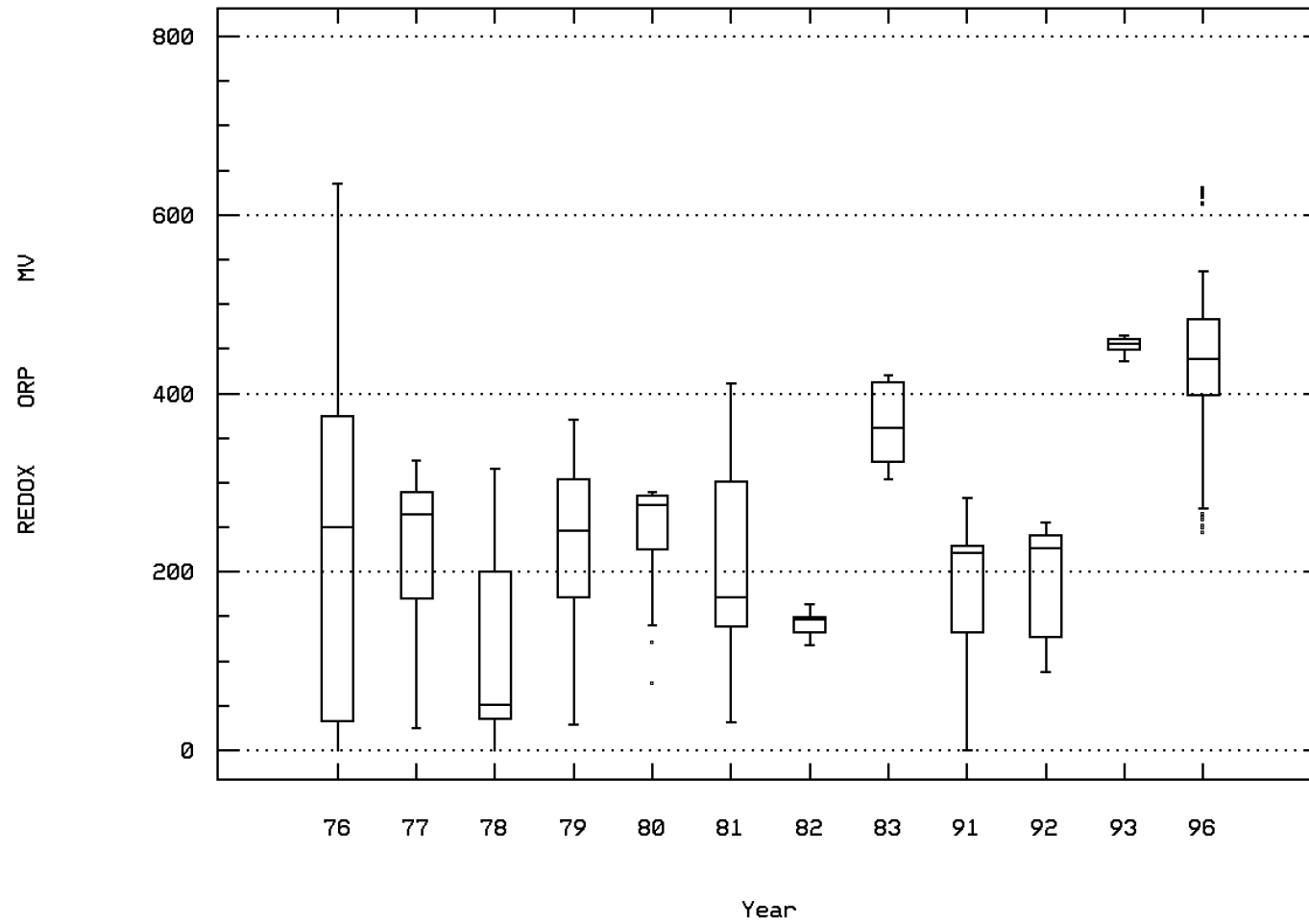
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Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00090

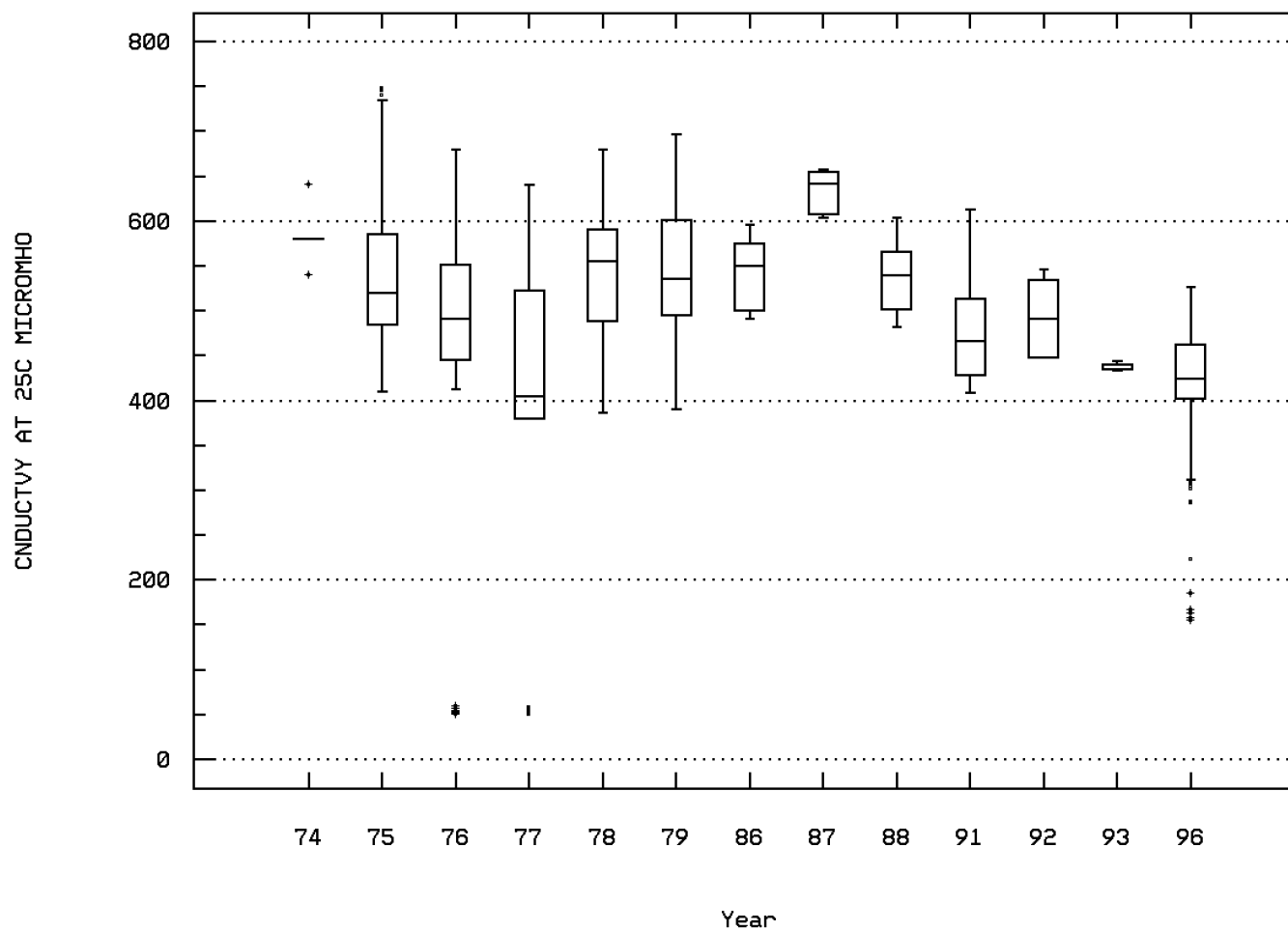
OXIDATION REDUCTION POTENTIAL (MILLIVOL



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00095

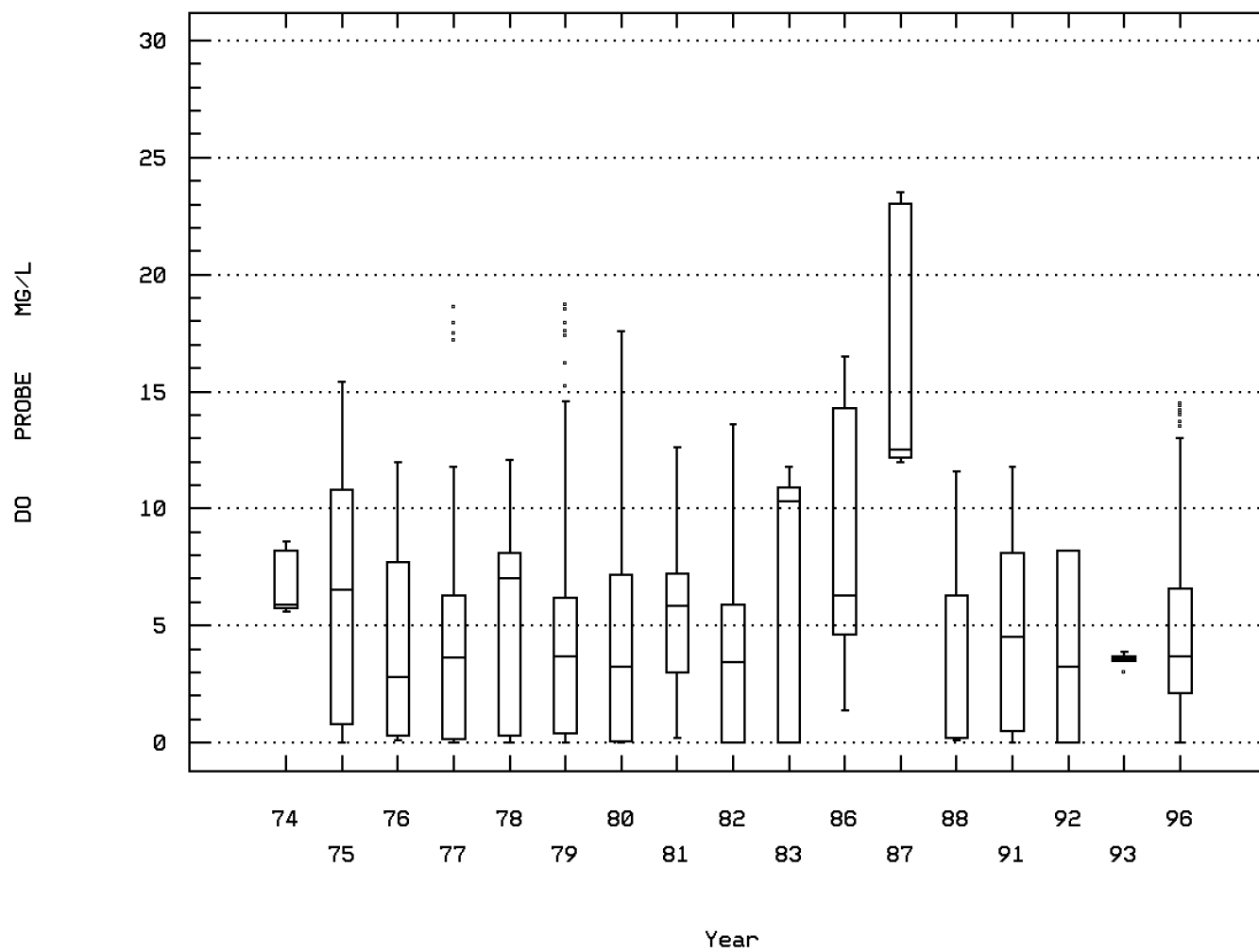
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00299

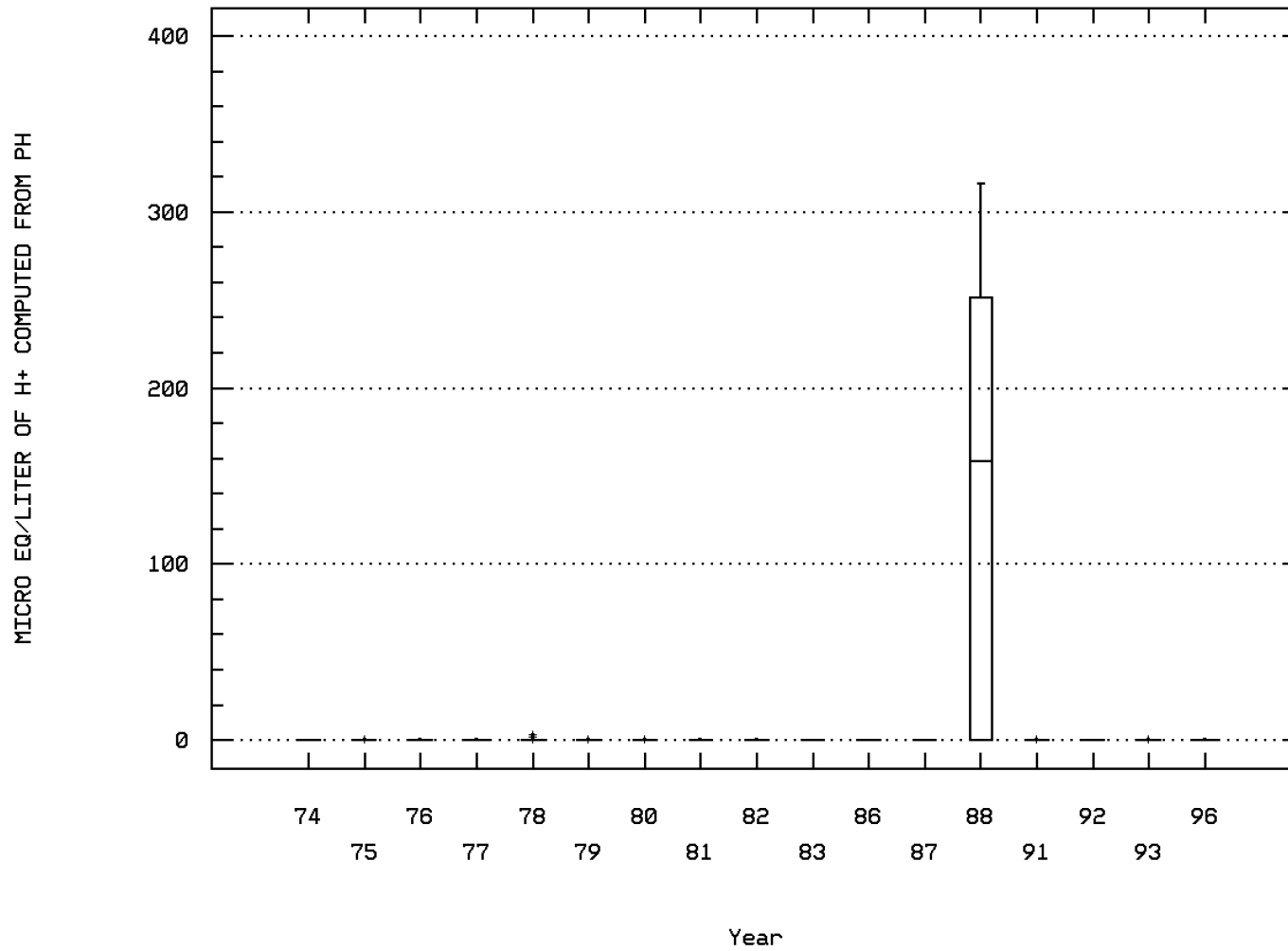
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00400

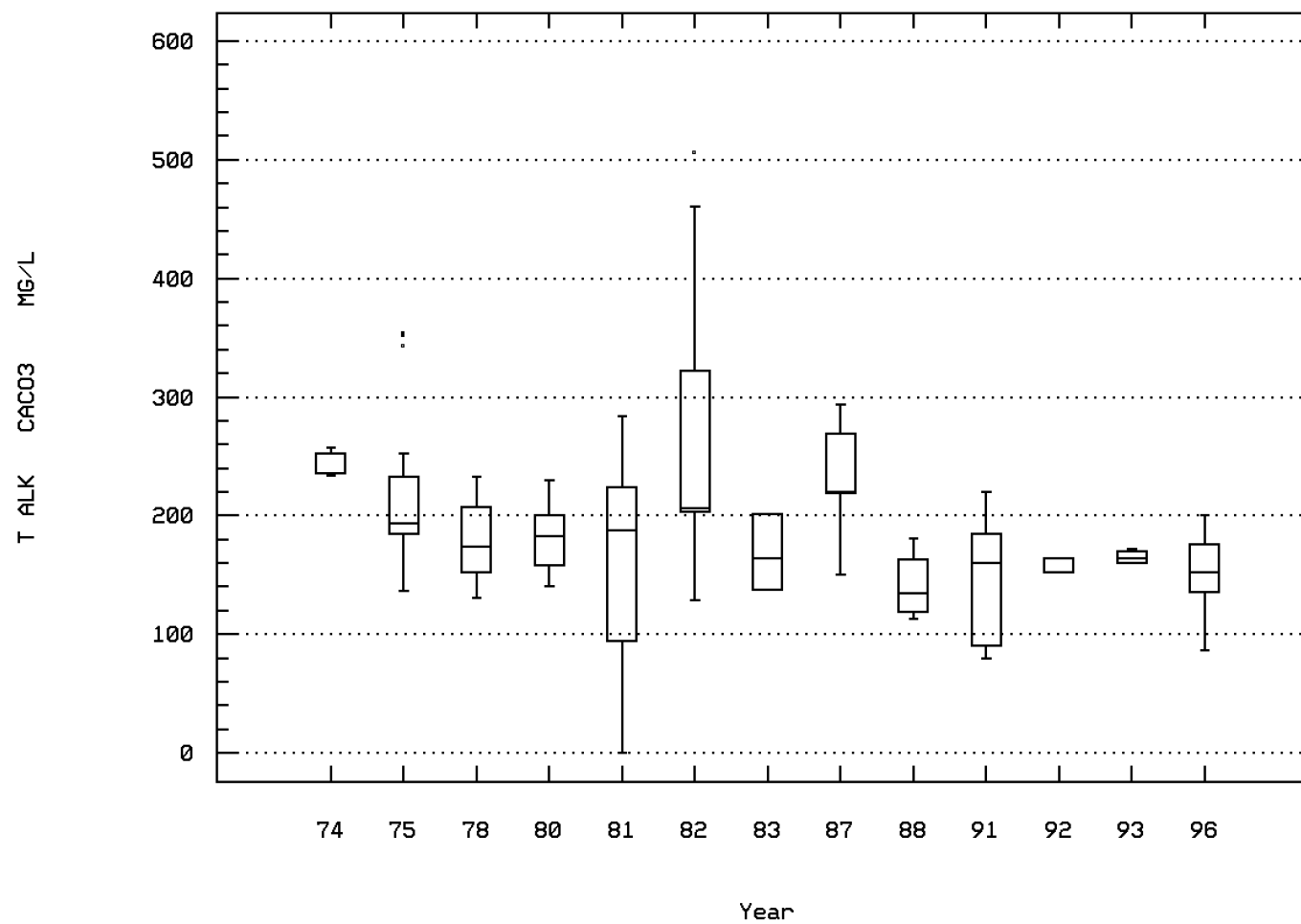
MICRO EQ/LITER OF H+ COMPUTED FROM PH



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00410

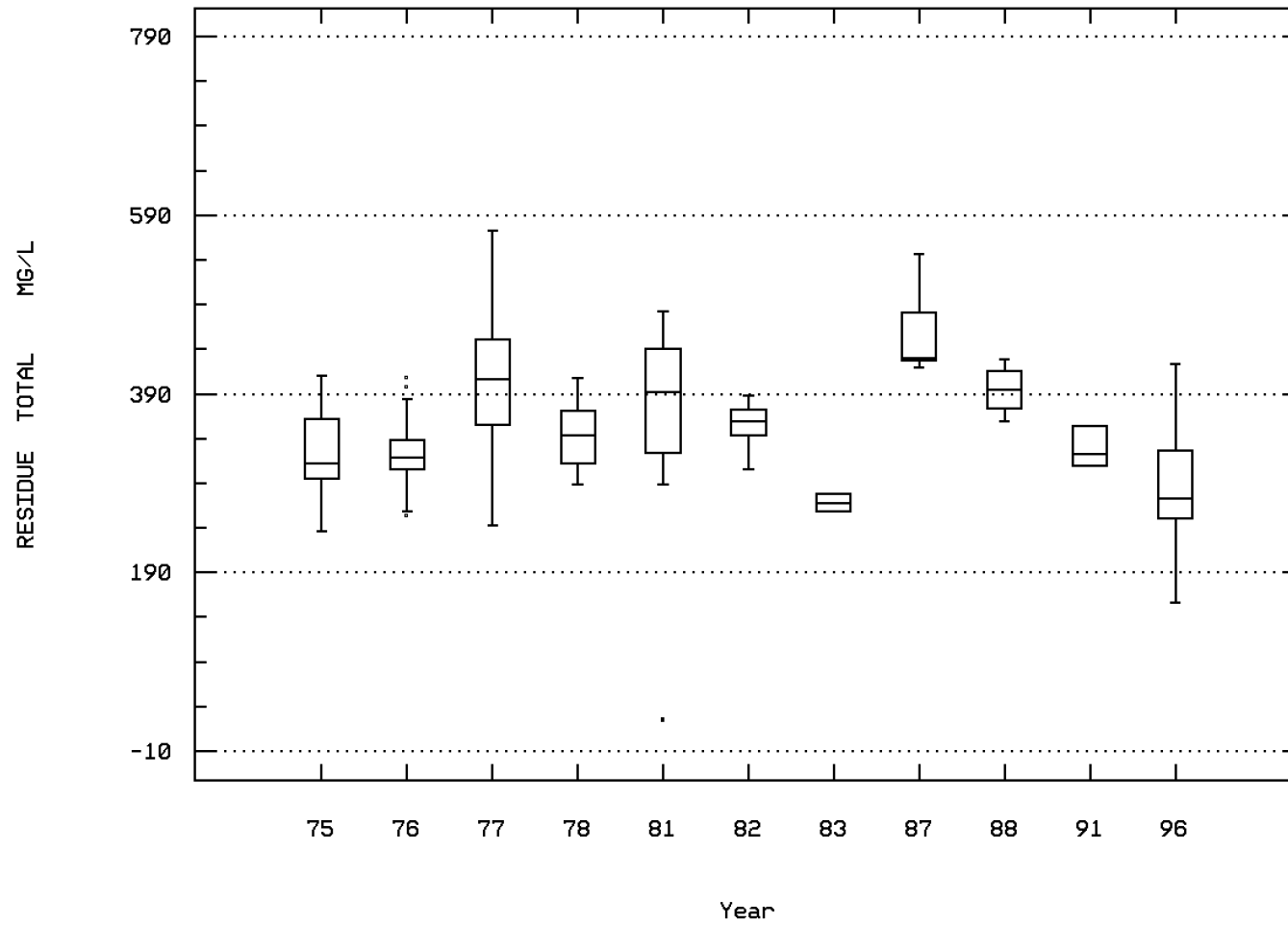
ALKALINITY, TOTAL (MG/L AS CaCO3)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00500

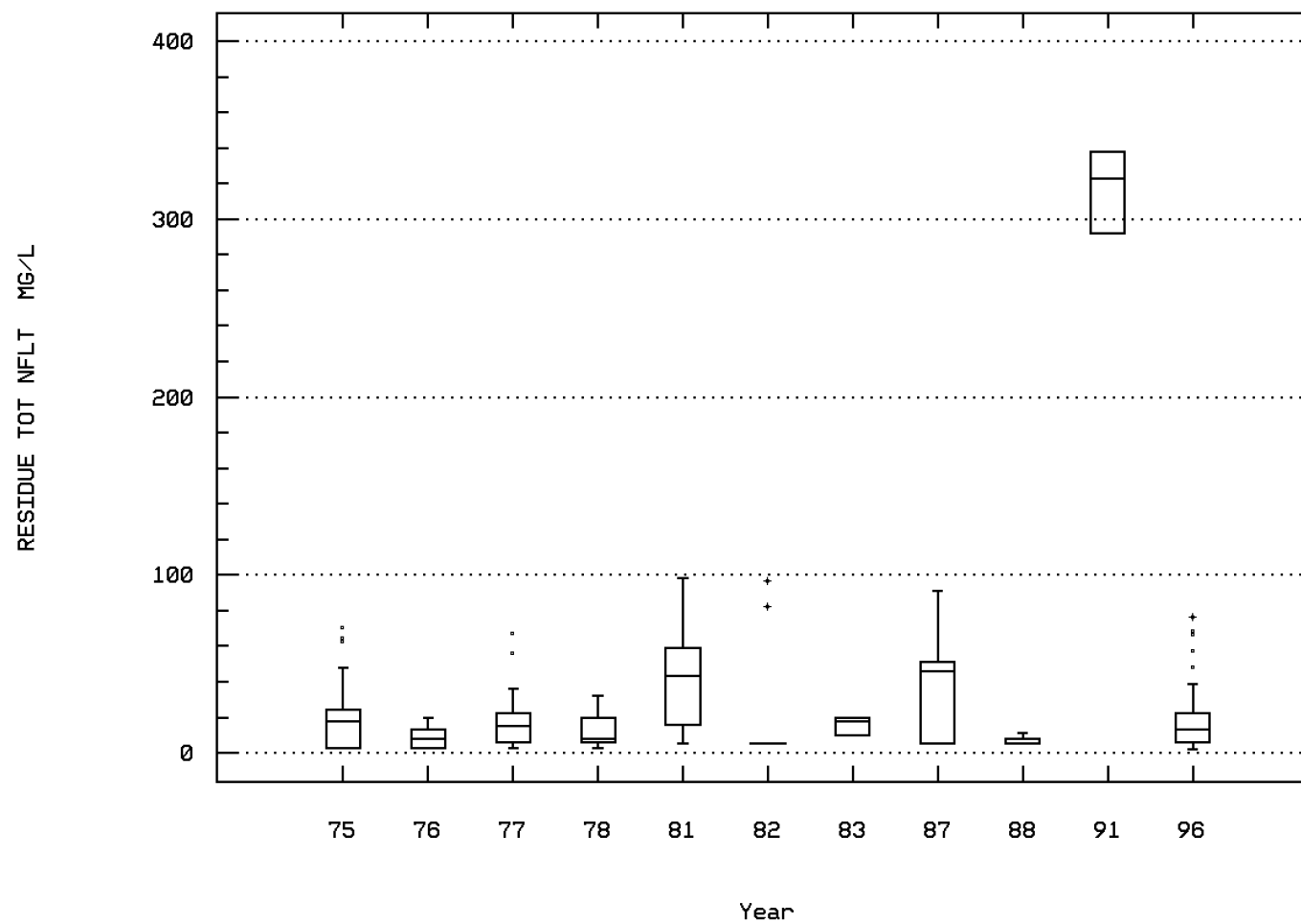
RESIDUE, TOTAL (MG/L)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00530

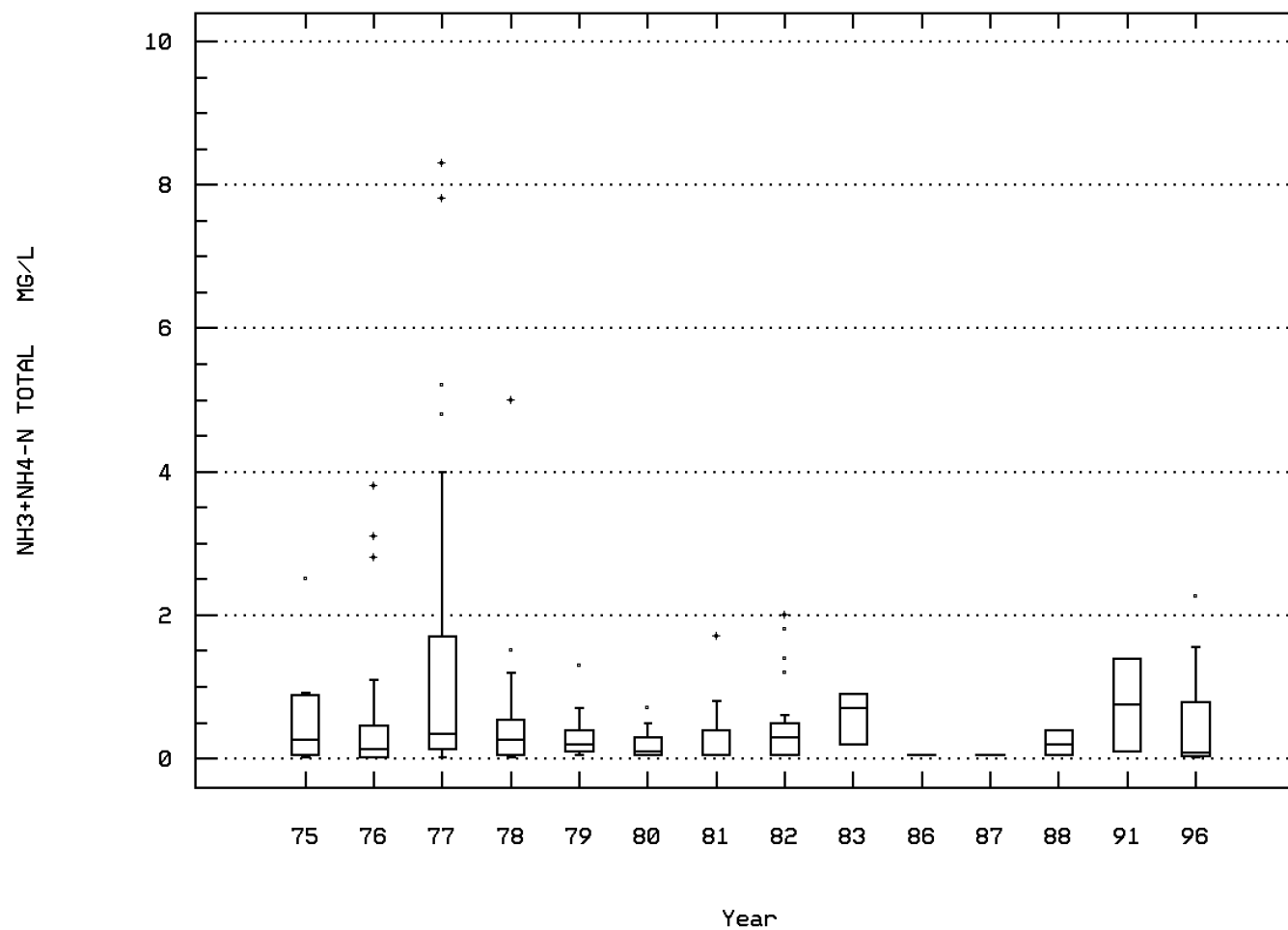
RESIDUE, TOTAL NONFILTRABLE (MG/L)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00610

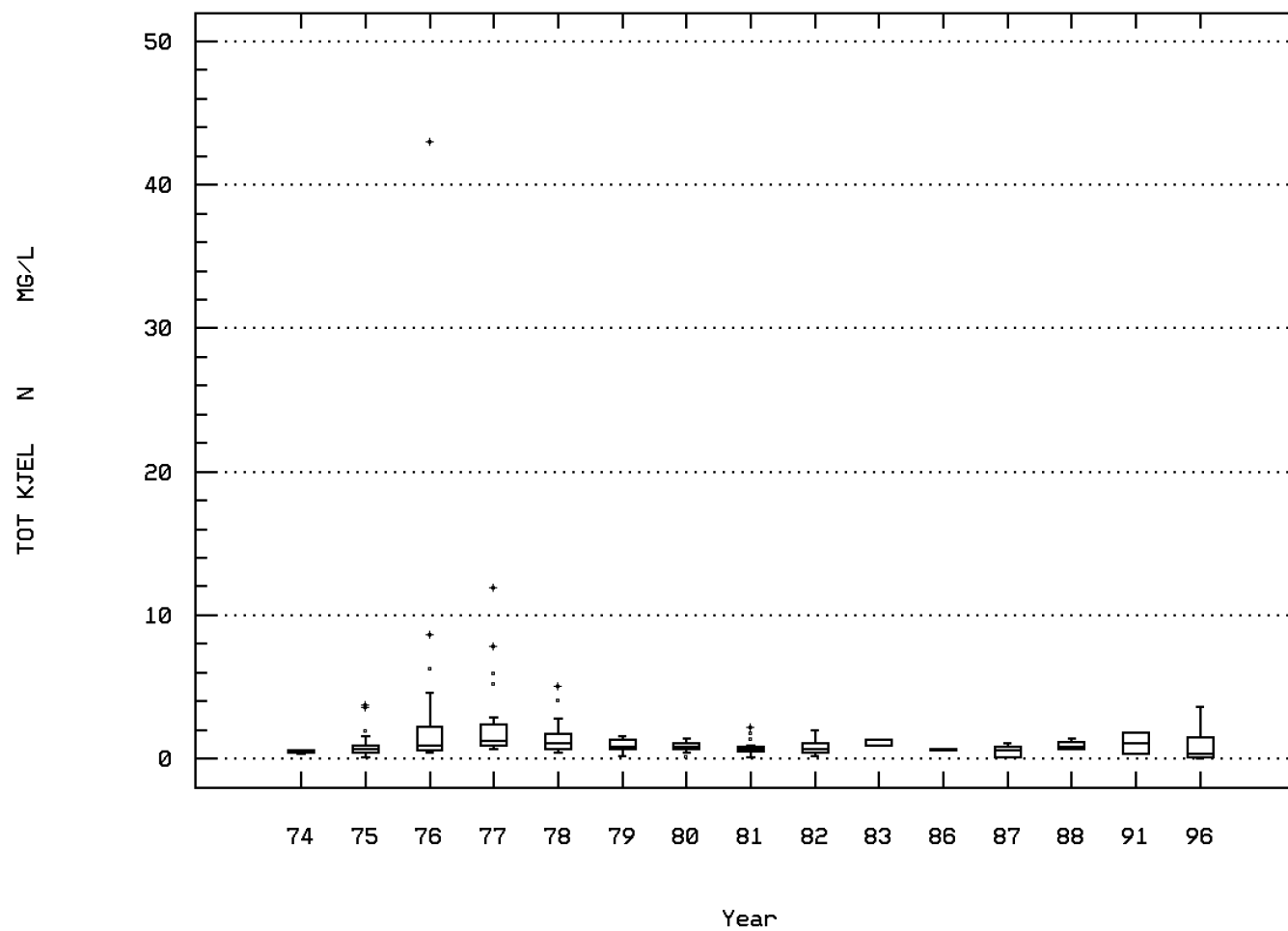
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00625

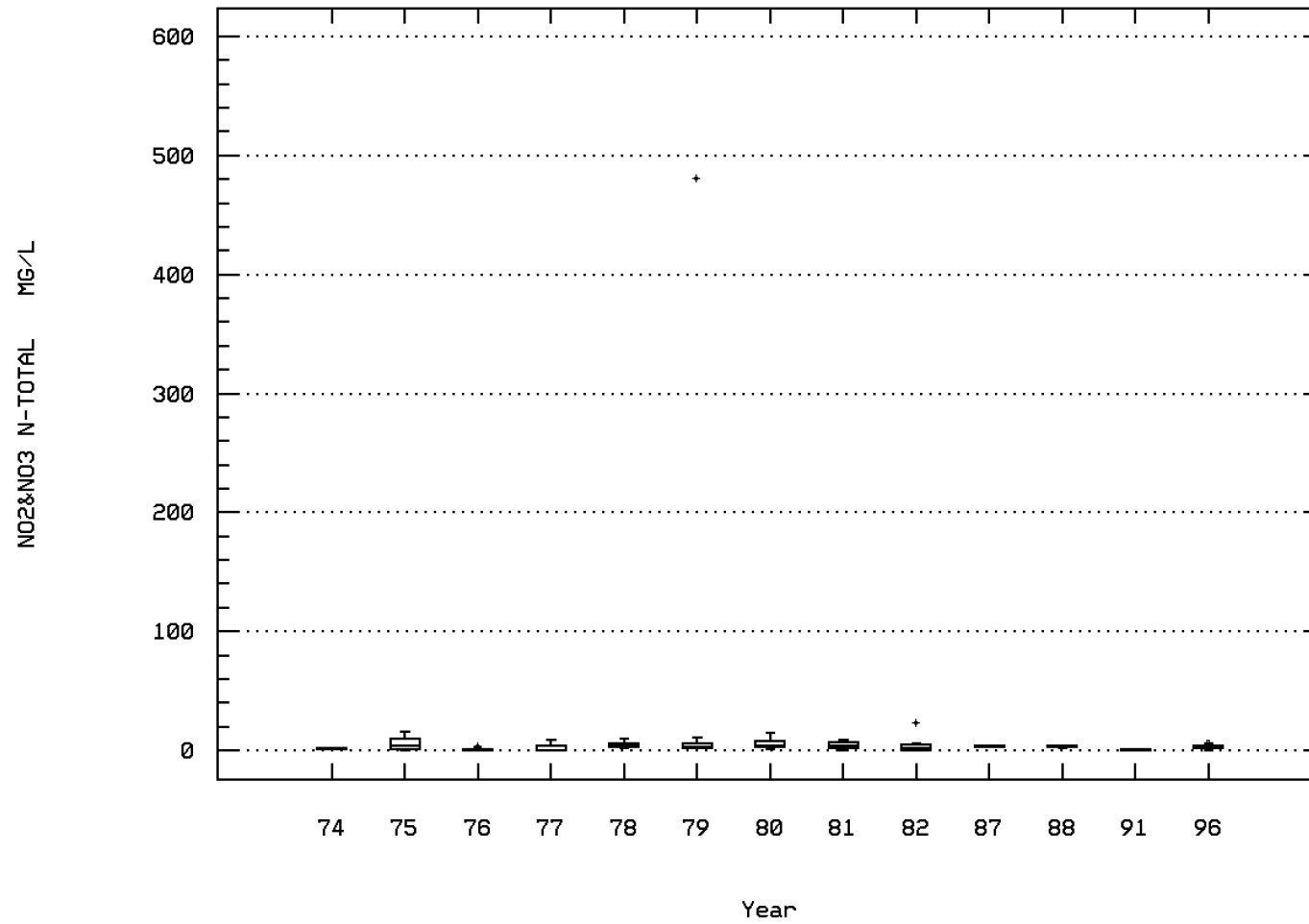
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00630

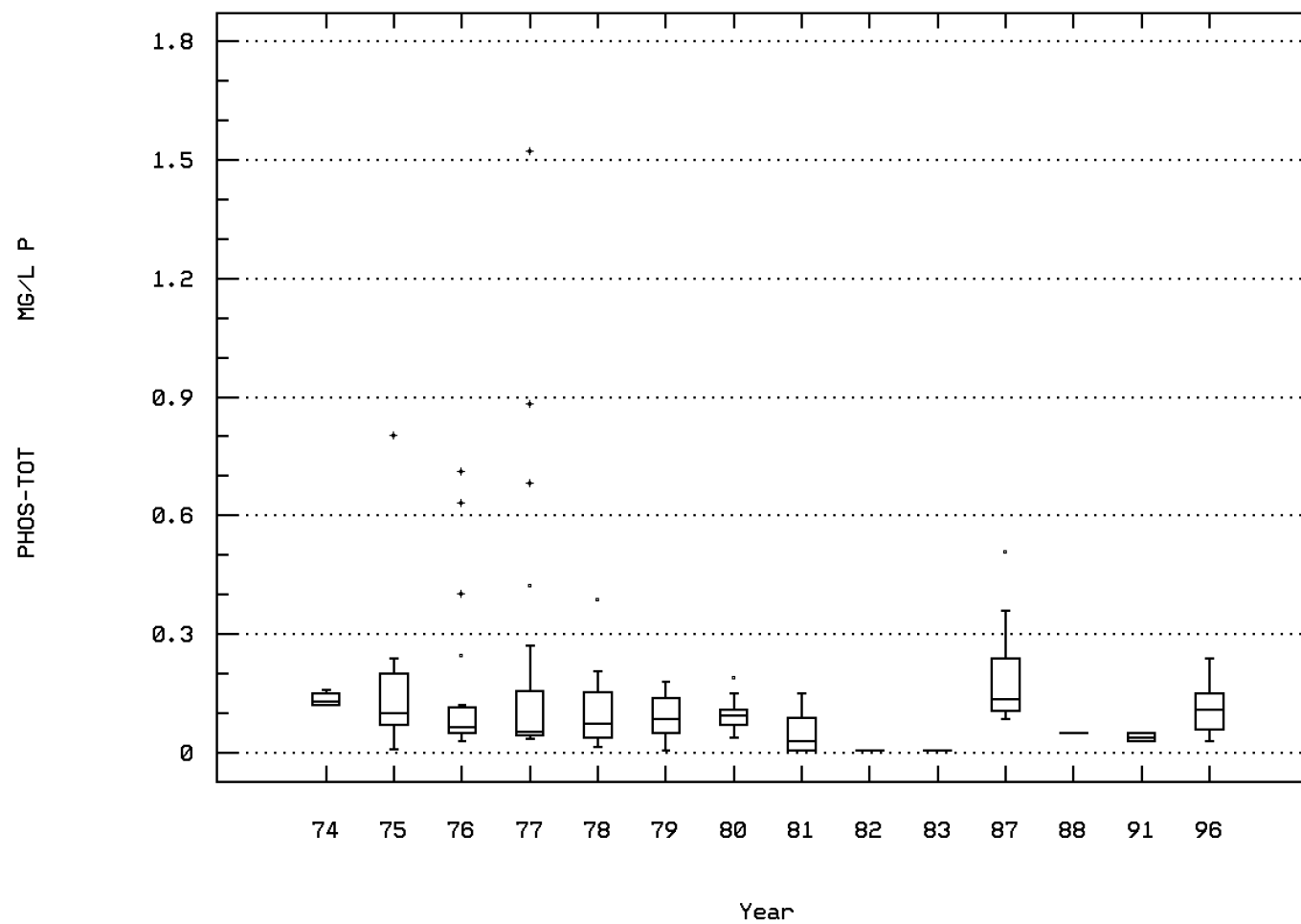
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00665

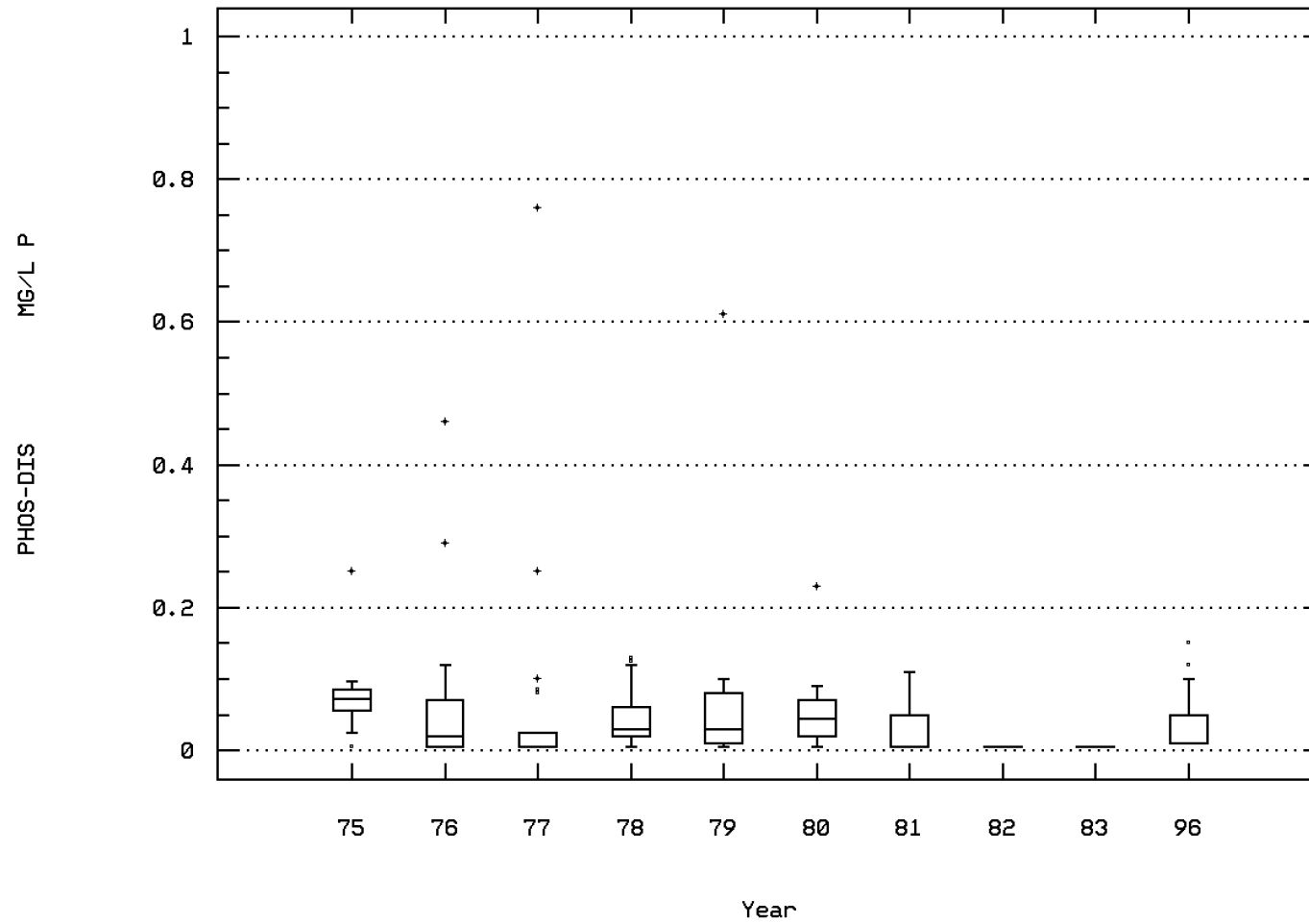
PHOSPHORUS, TOTAL (MG/L AS P)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00666

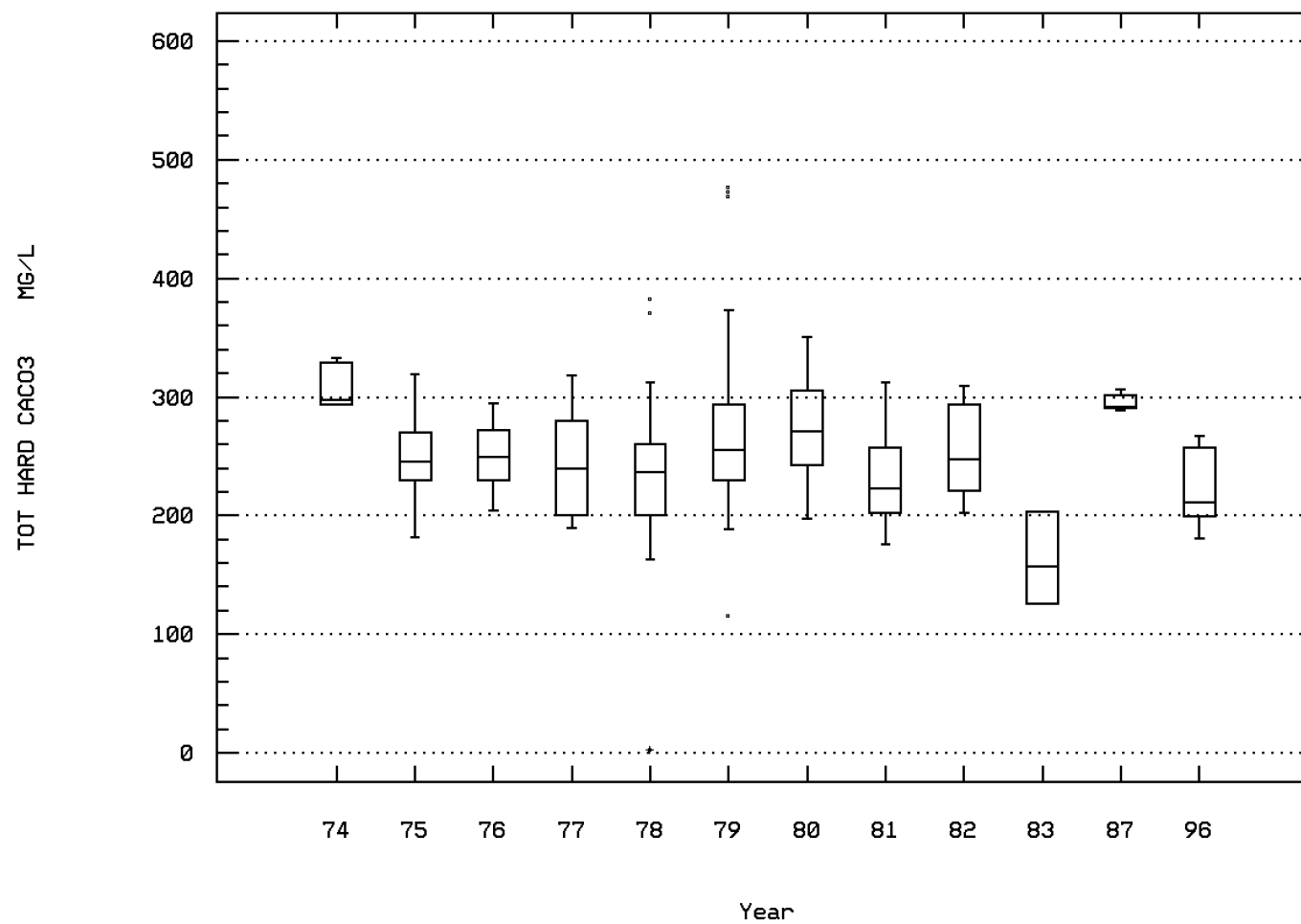
PHOSPHORUS, DISSOLVED (MG/L AS P)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00900

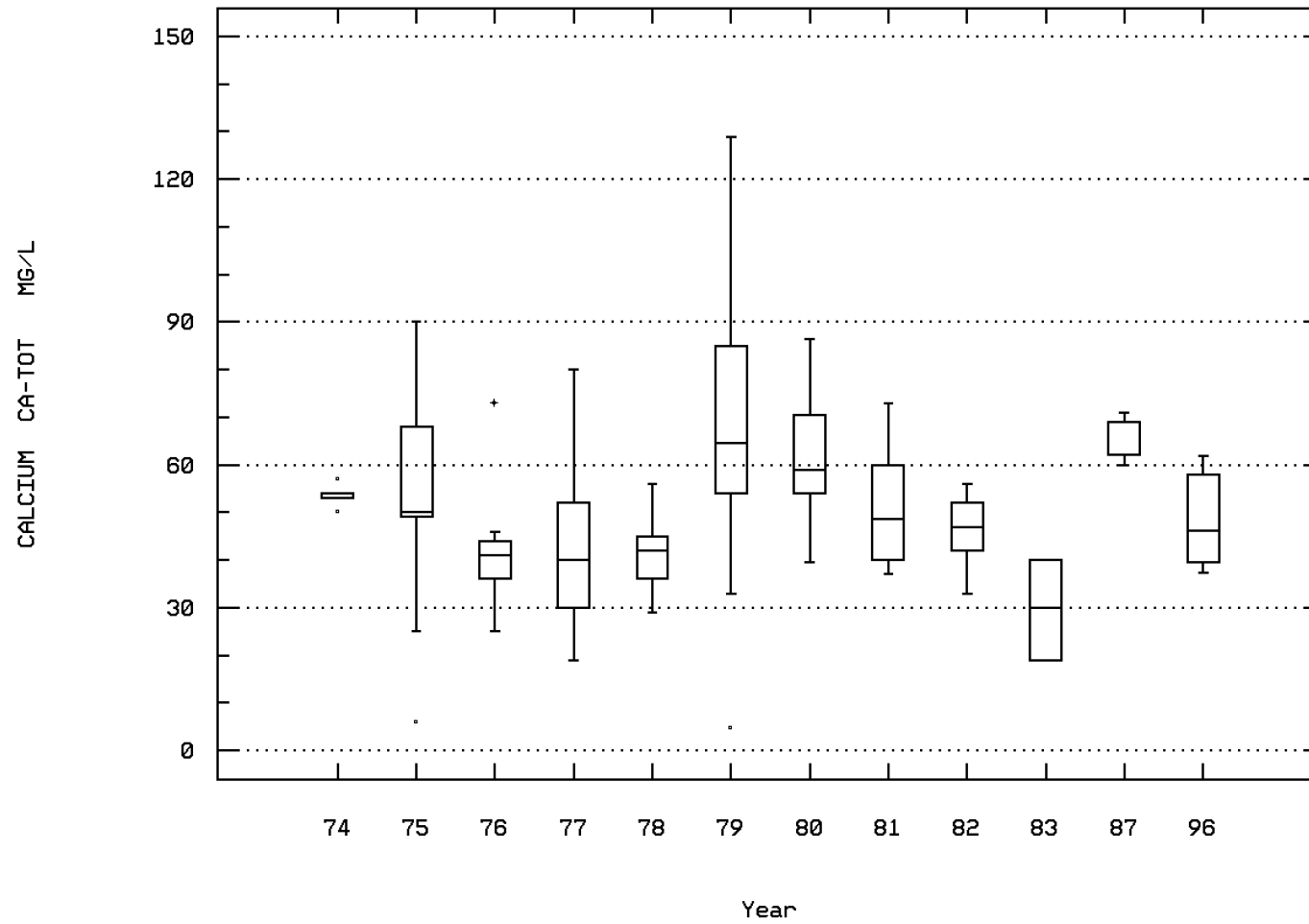
HARDNESS, TOTAL (MG/L AS CaCO3)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00916

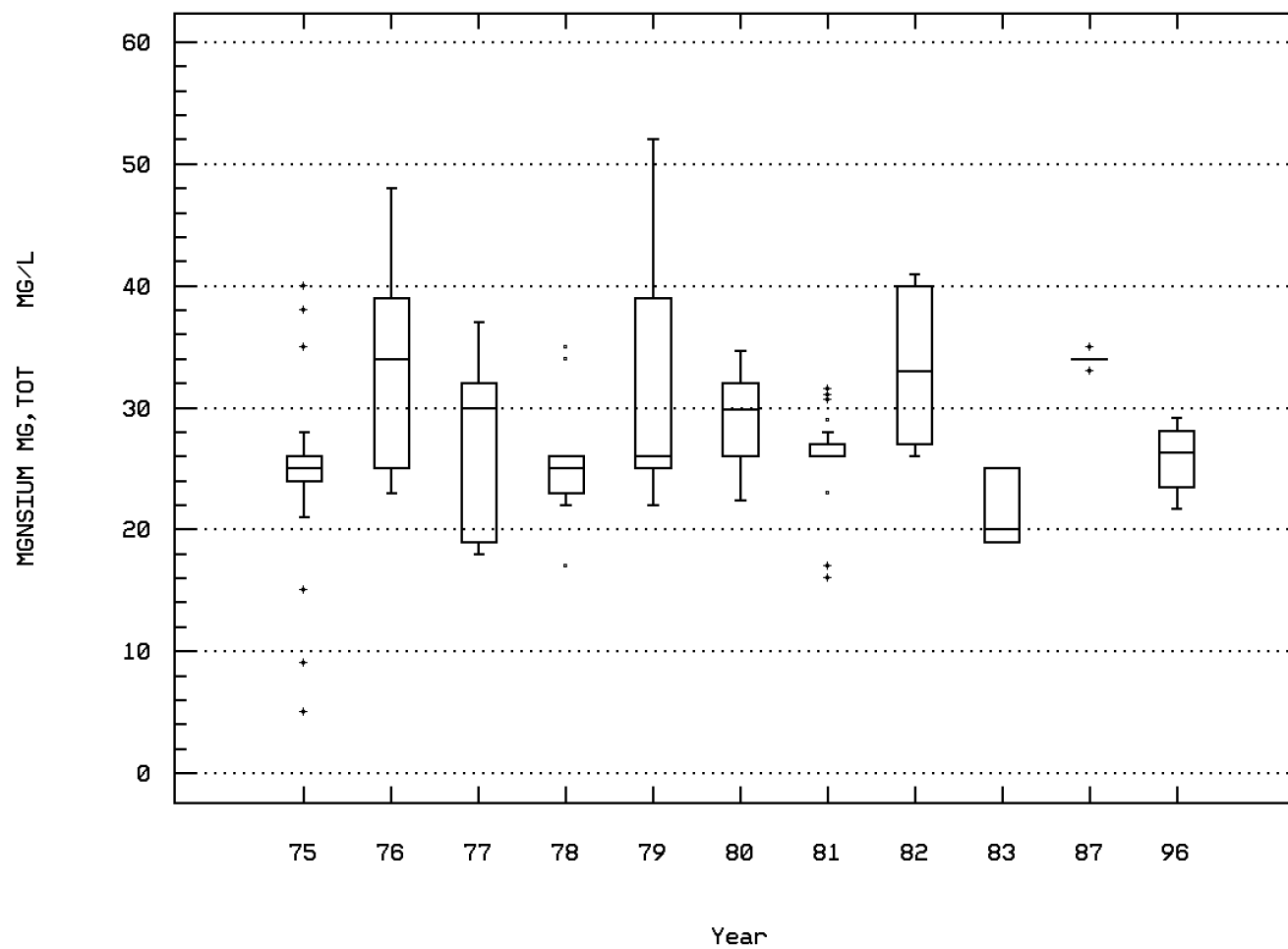
CALCIUM, TOTAL (MG/L AS CA)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00927

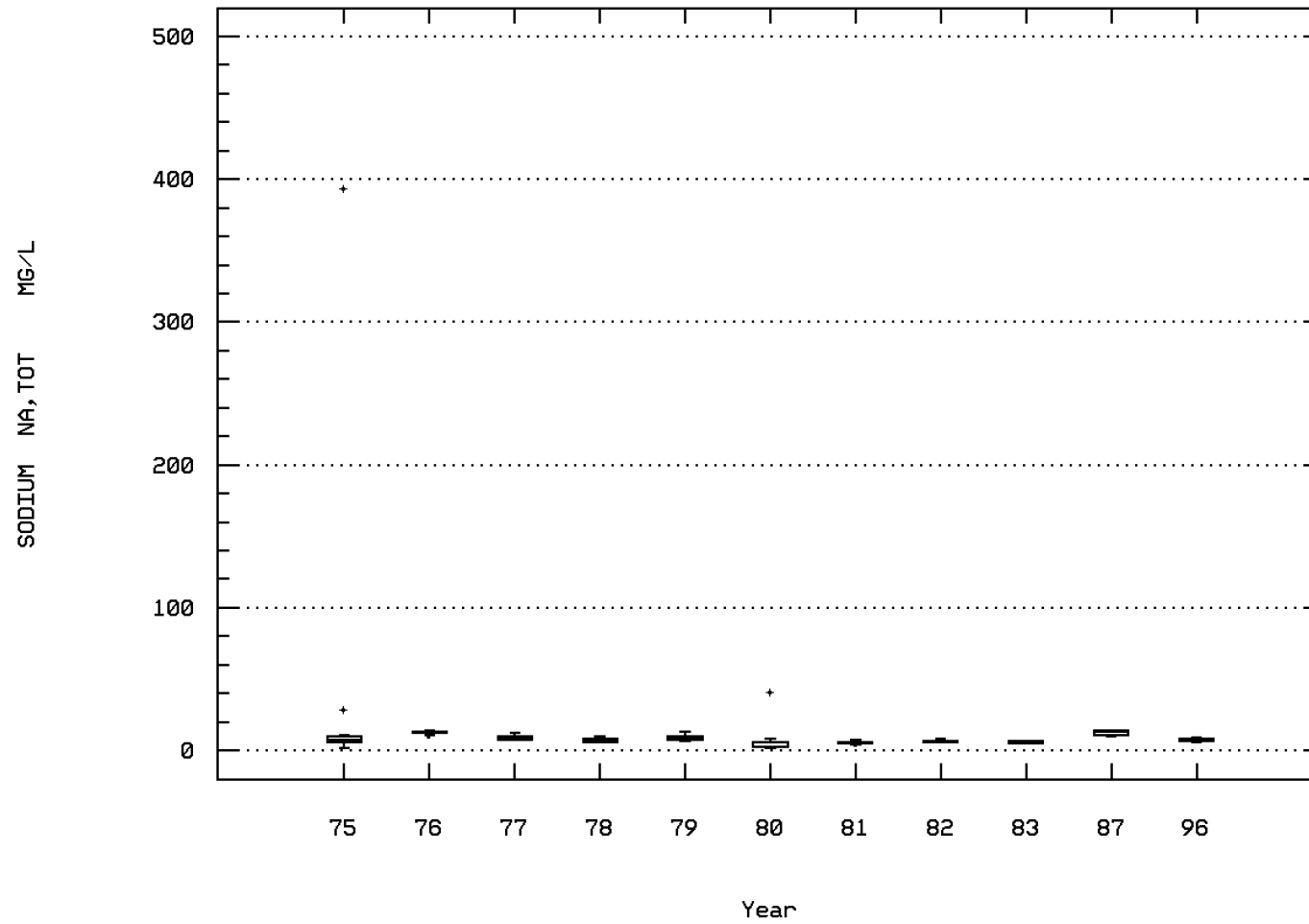
MAGNESIUM, TOTAL (MG/L AS MG)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00929

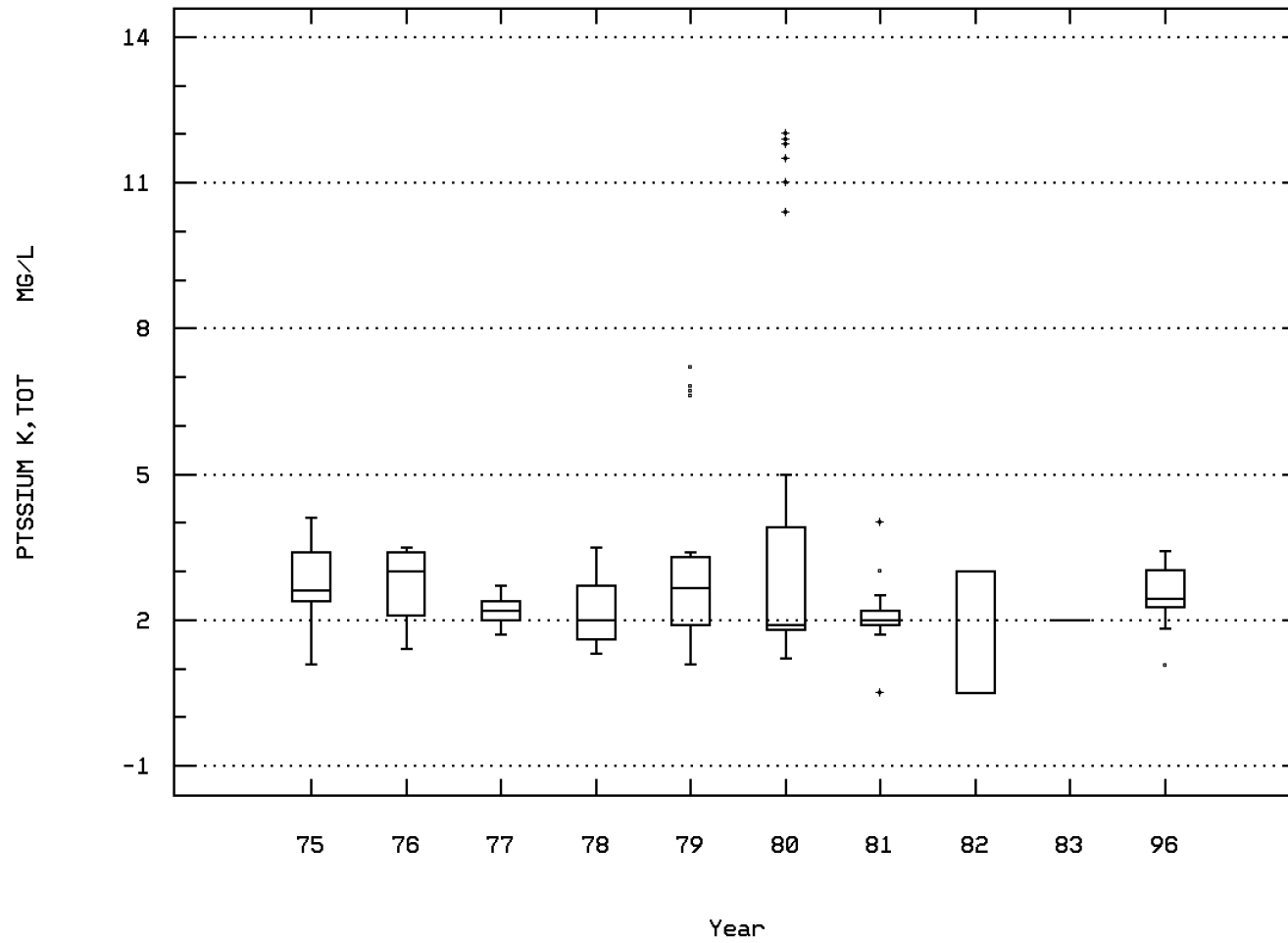
SODIUM, TOTAL (MG/L AS NA)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00937

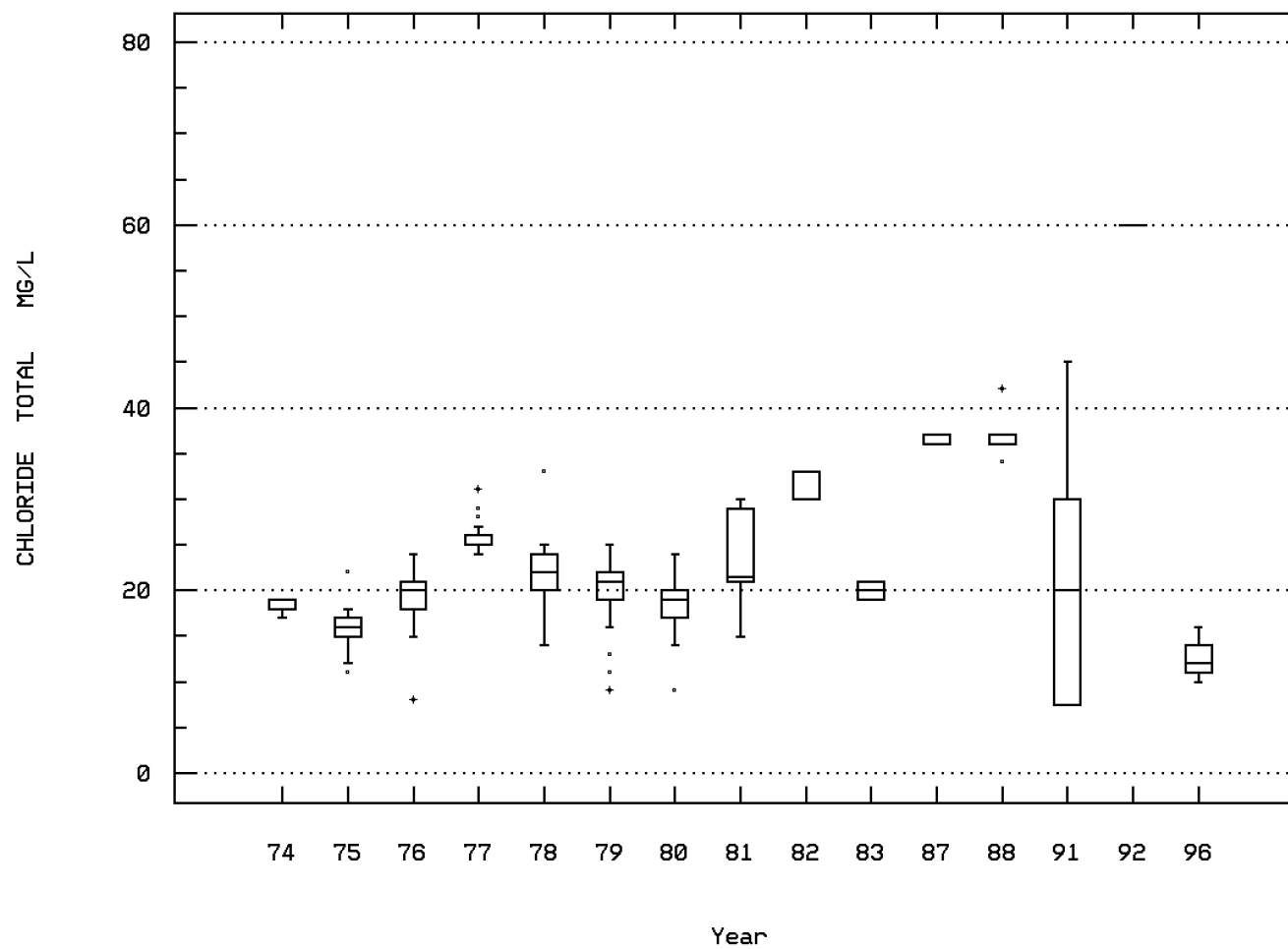
POTASSIUM, TOTAL MG/L AS K)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00940

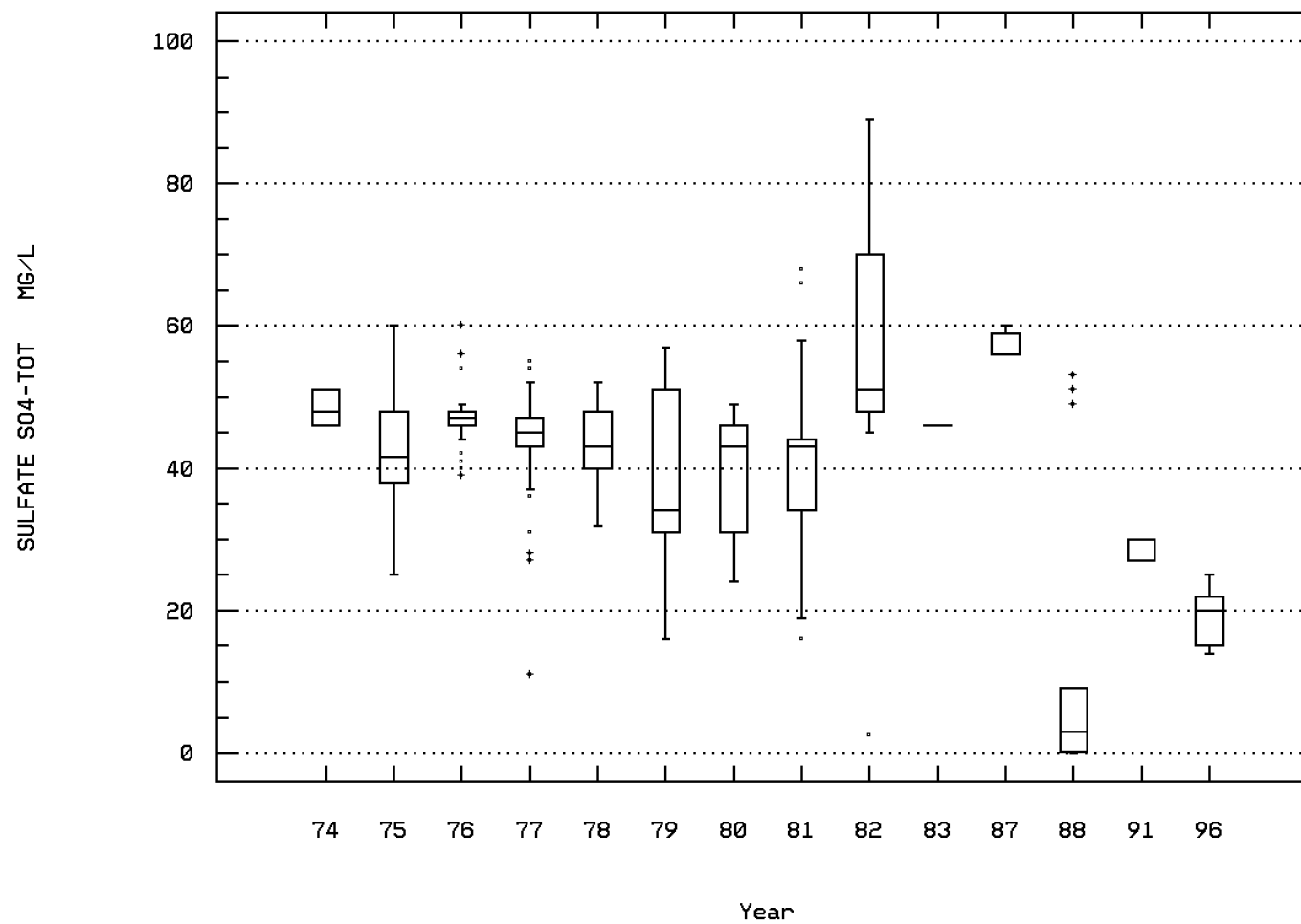
CHLORIDE, TOTAL IN WATER



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)

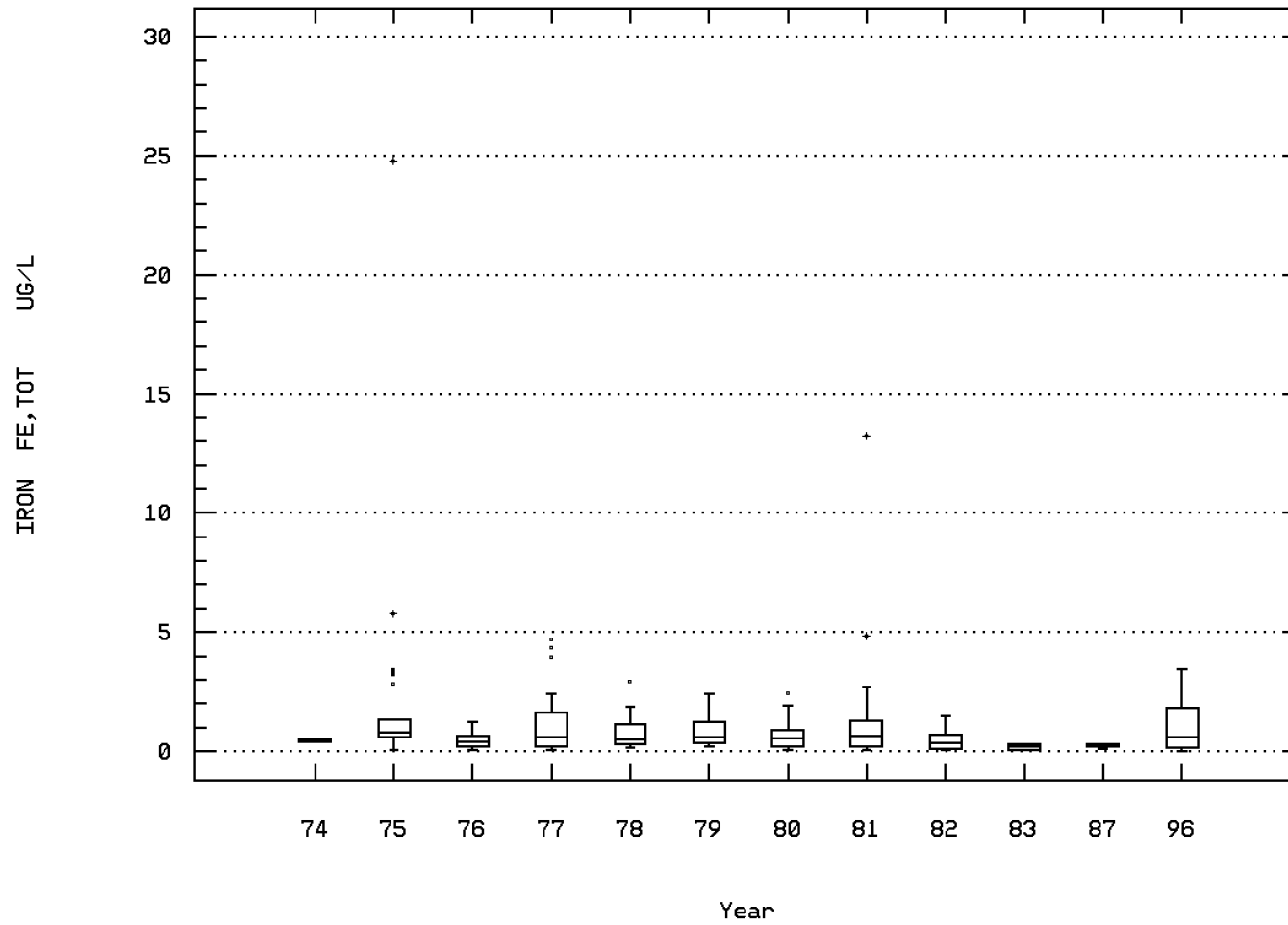


Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01045

IRON, TOTAL (UG/L AS FE)

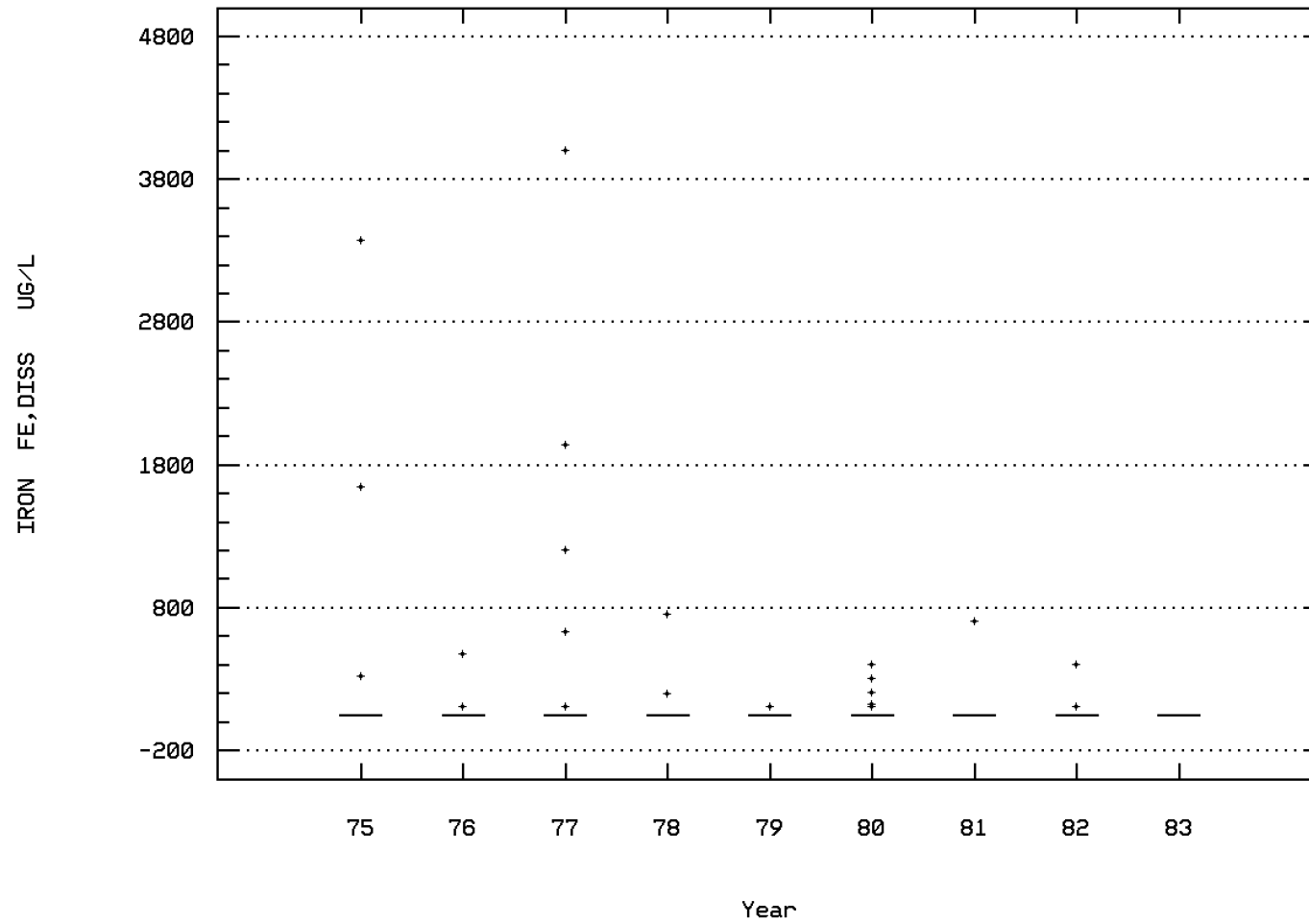
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Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01046

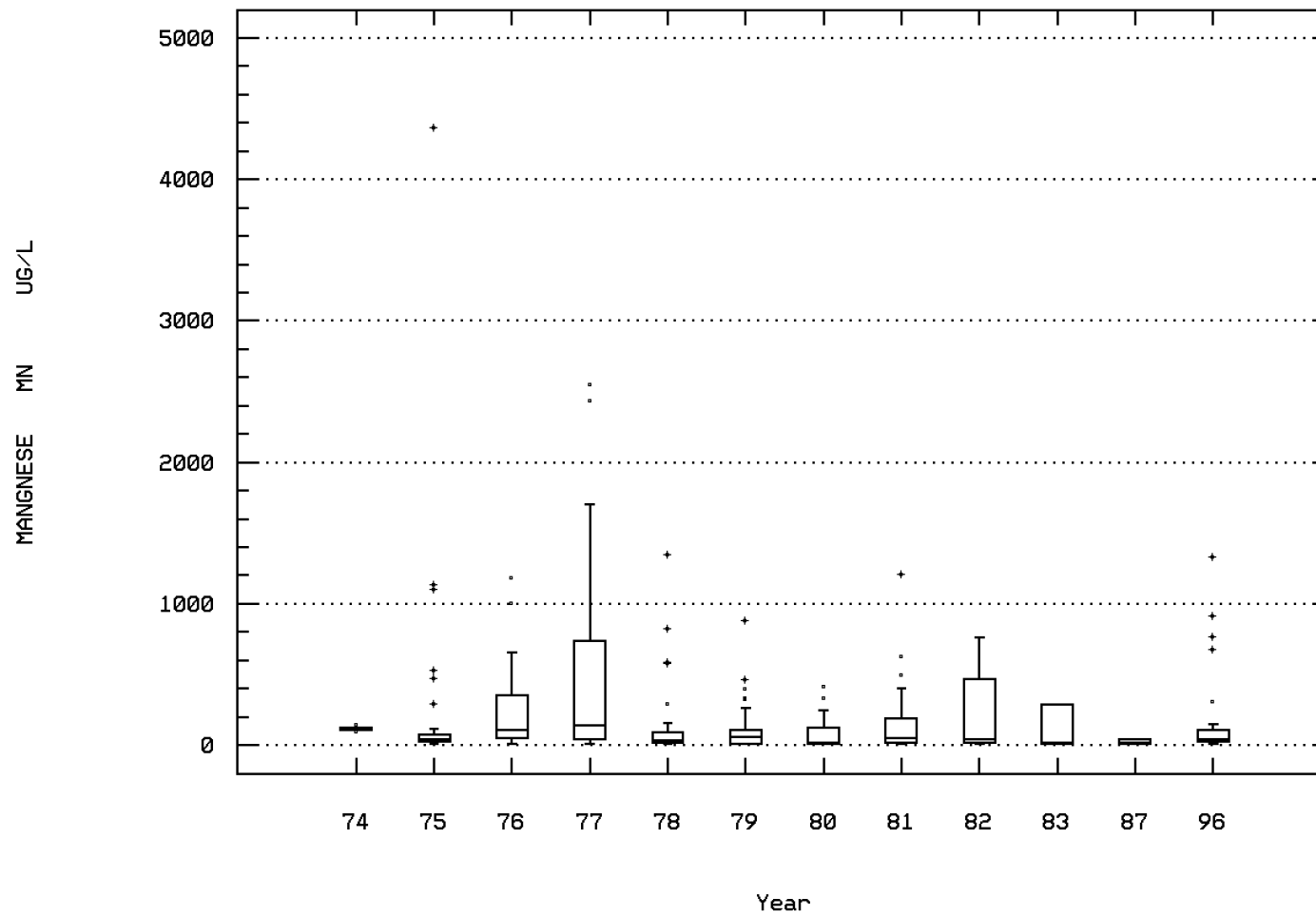
IRON, DISSOLVED (UG/L AS FE)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01055

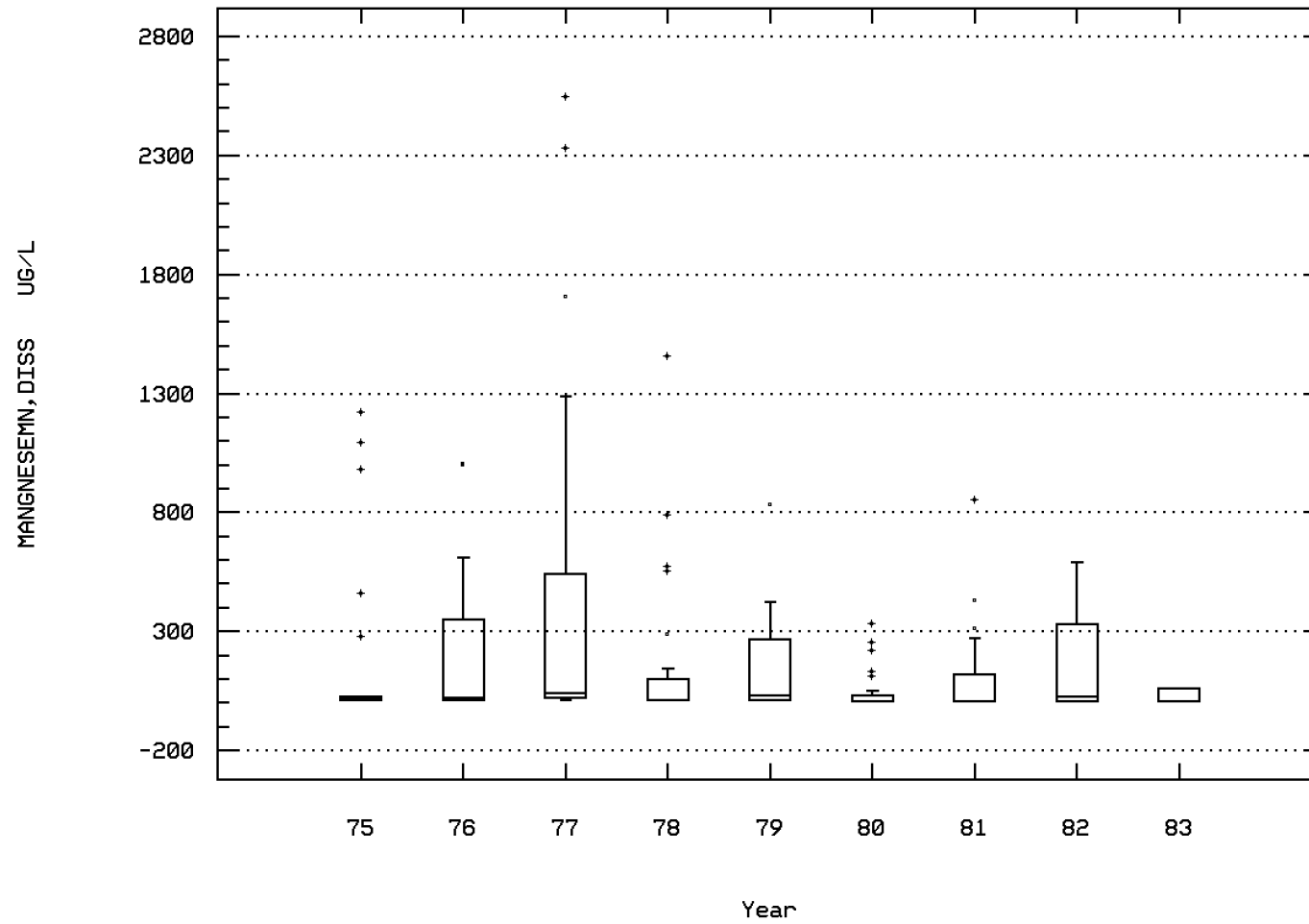
MANGANESE, TOTAL (UG/L AS MN)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01056

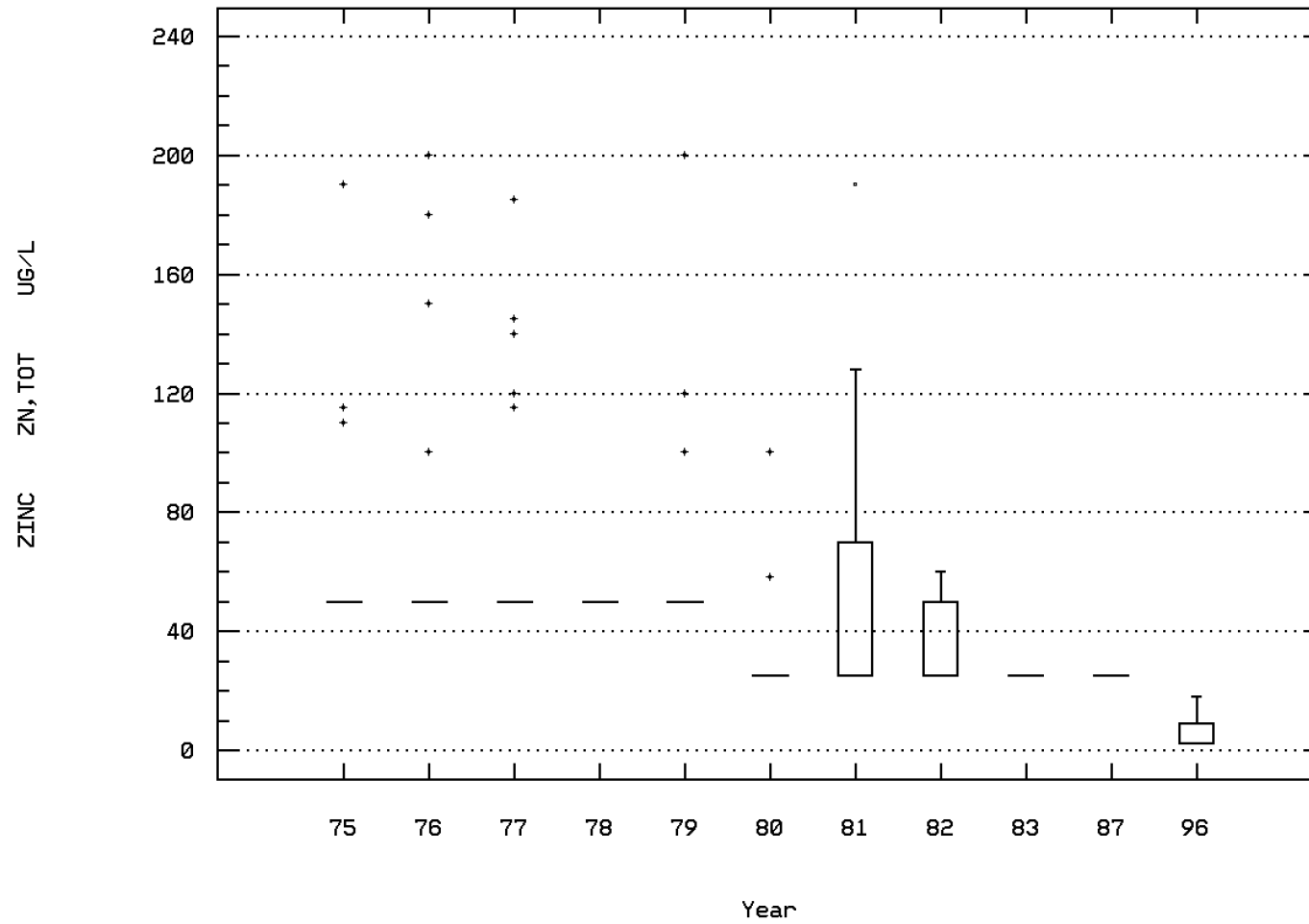
MANGANESE, DISSOLVED (UG/L AS MN)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 01092

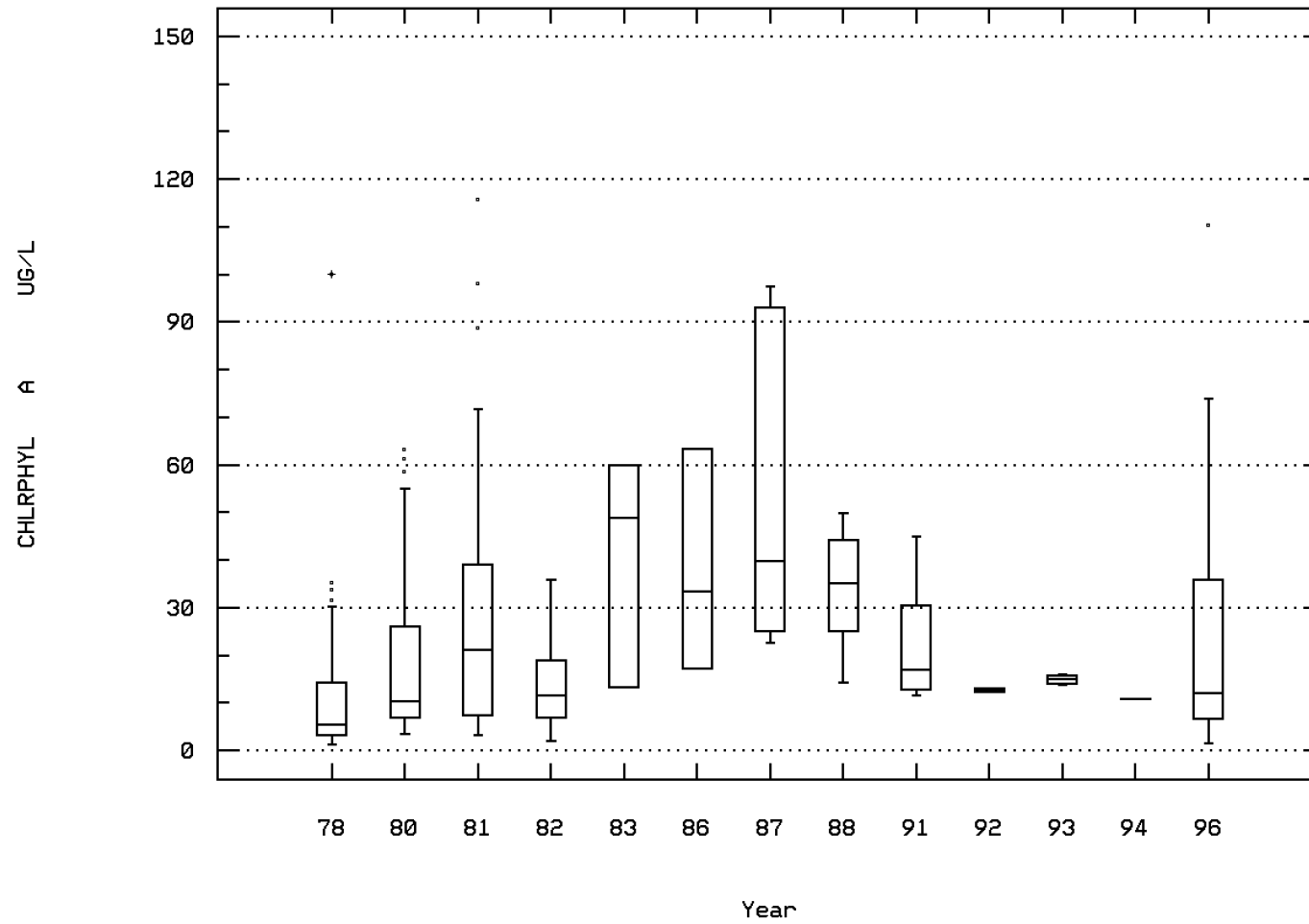
ZINC, TOTAL (UG/L AS ZN)



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32210

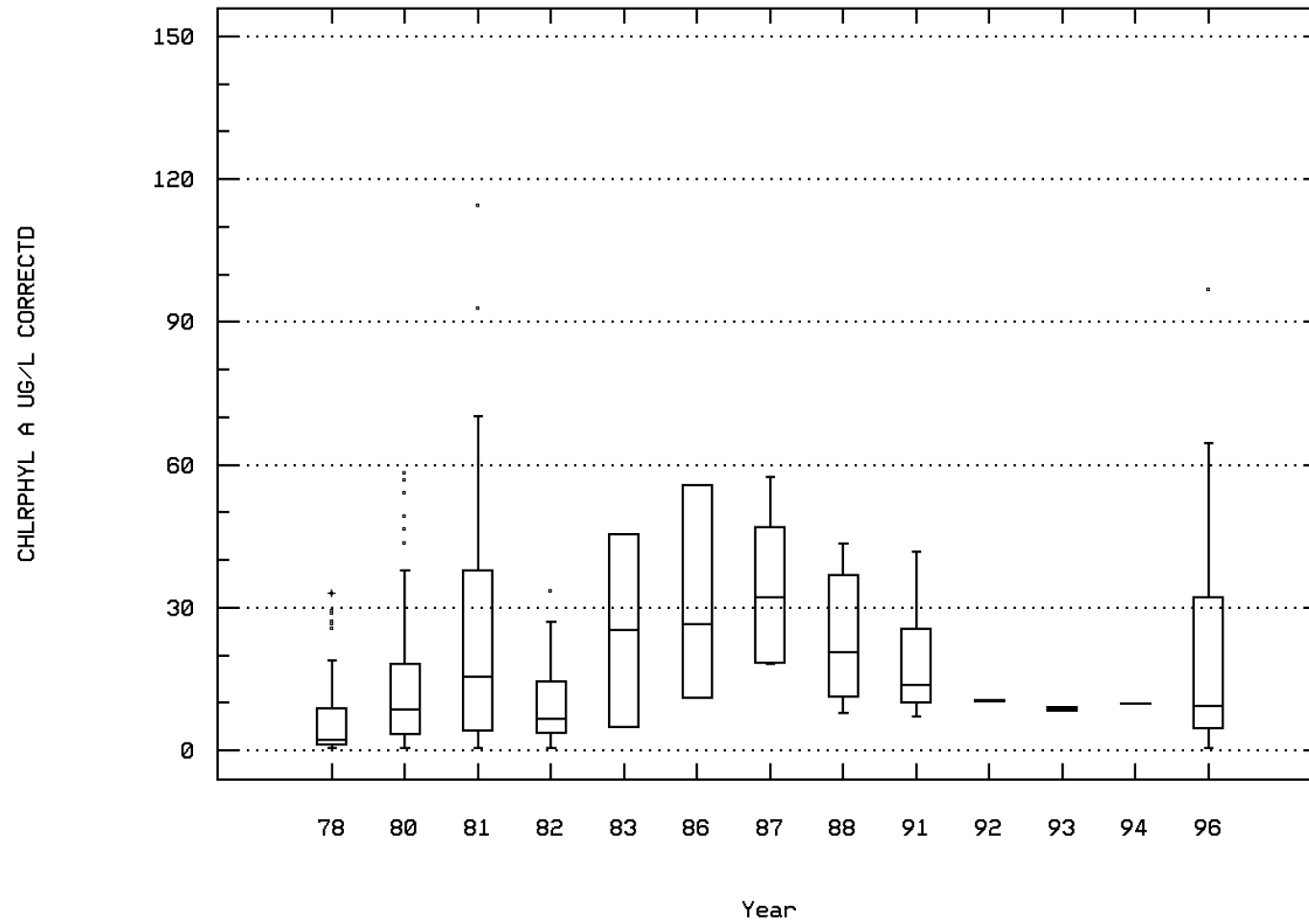
CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRE



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32211

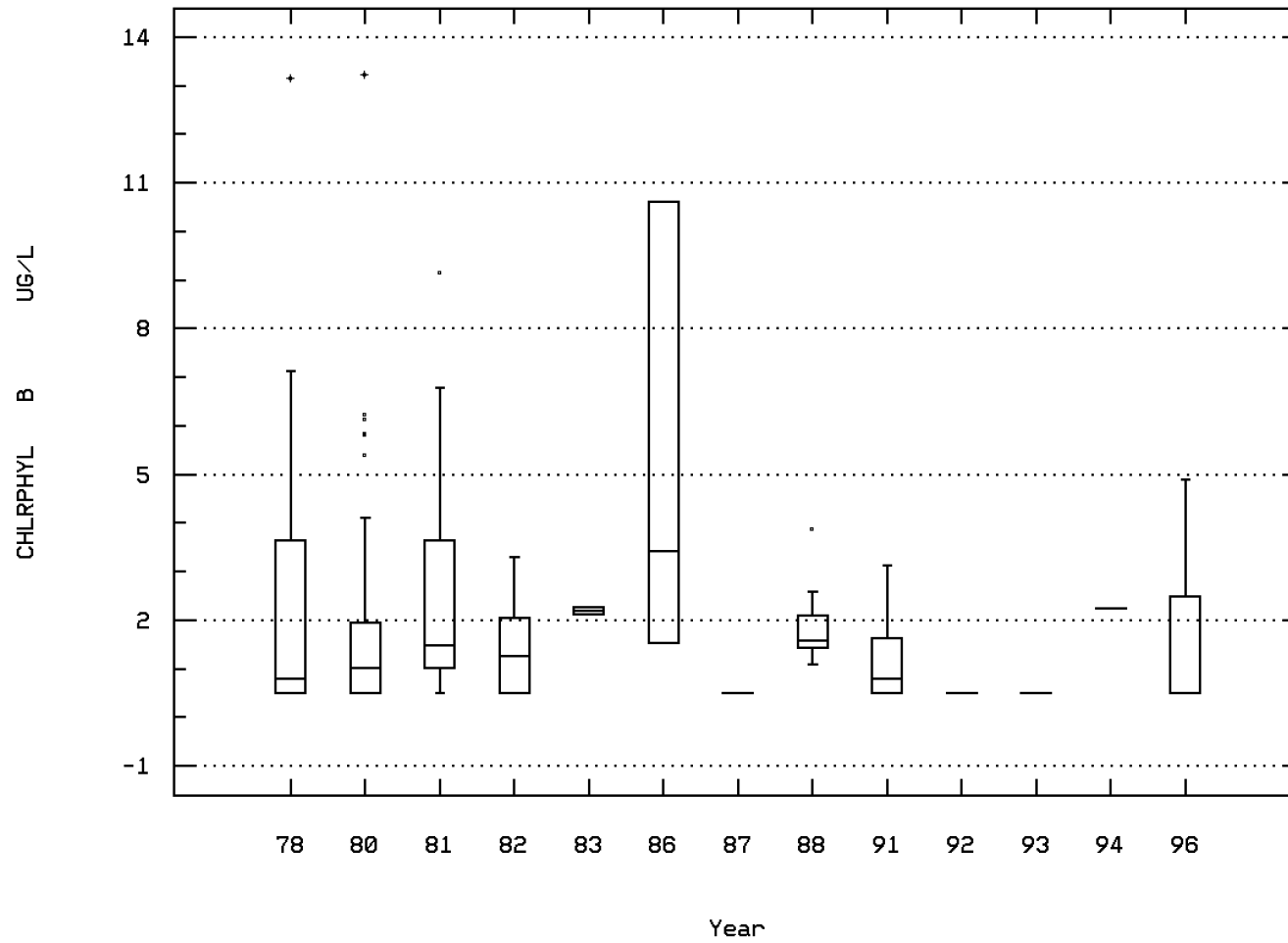
CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC A



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32212

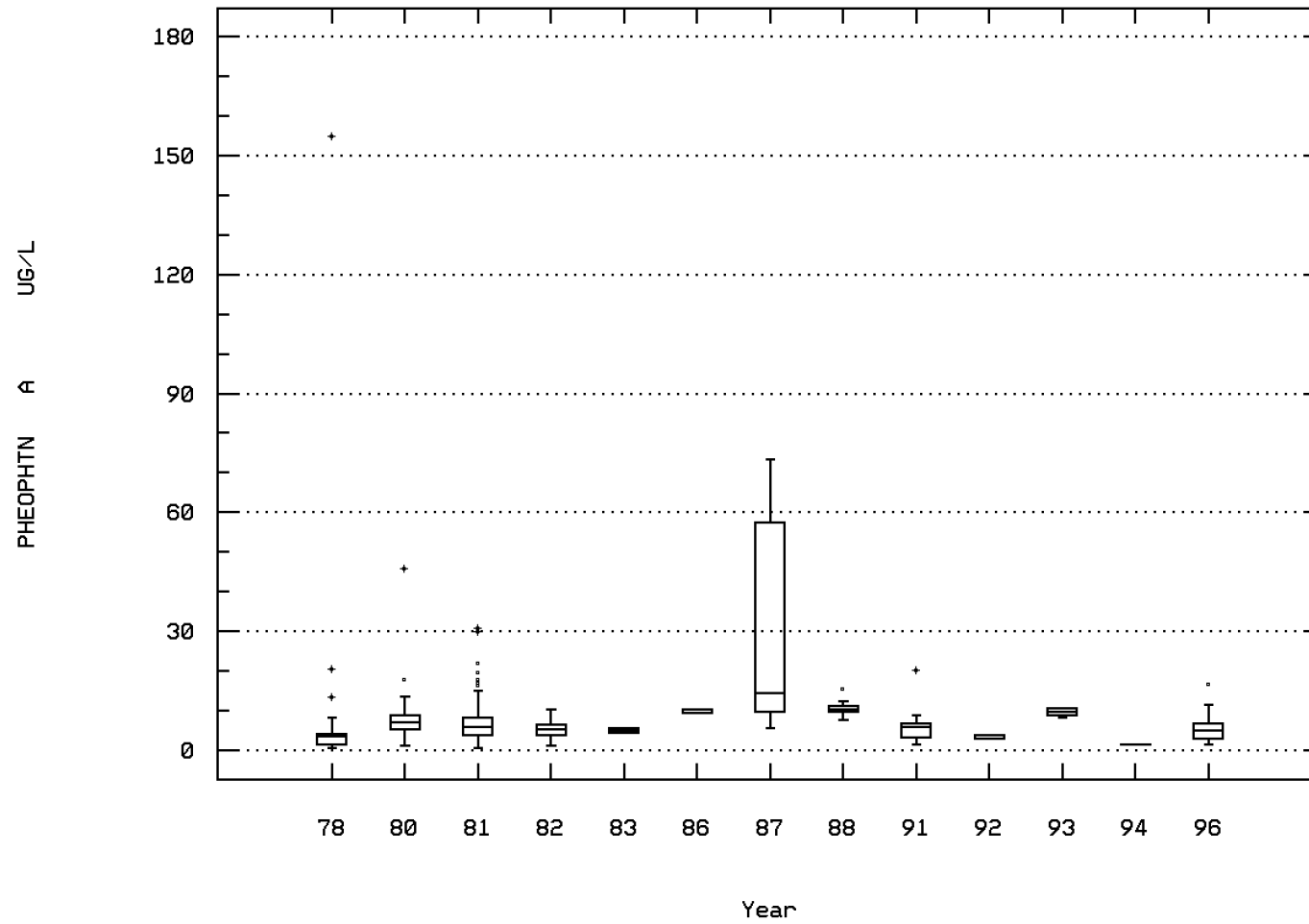
CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRE



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32218

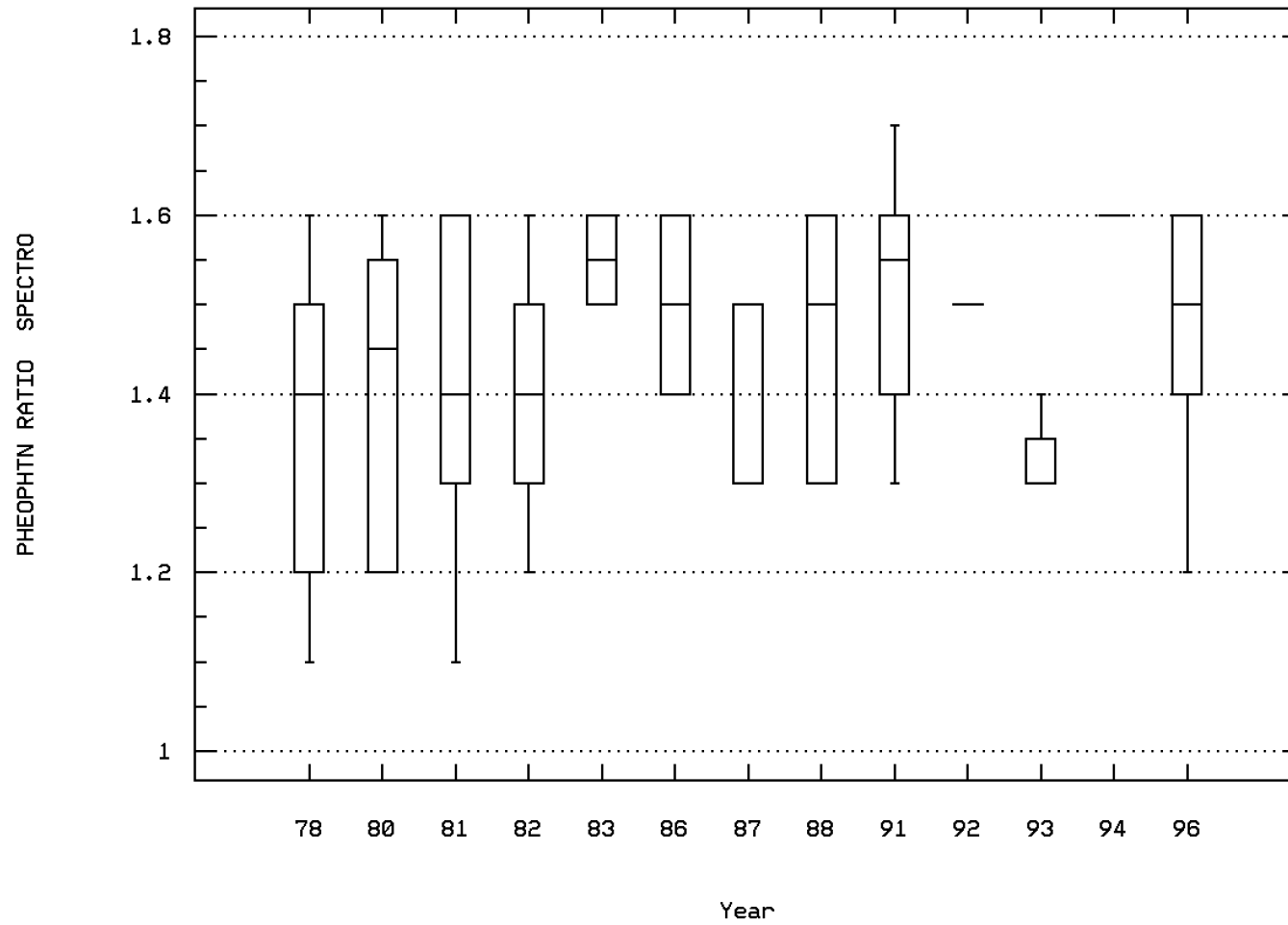
PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC AC



Paint Creek Lake, Main Lake Station

Station: HOCU0057 Parameter Code: 32219

PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/



Paint Creek Lake, Main Lake Station

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	460	18.	19.091	48.	0.	175.813	13.259	2.	8.	30.	38.9
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	395	21.1	20.522	28.4	12.	12.999	3.605	15.1	18.3	23.	25.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	18	21.5	21.389	31.	14.	40.958	6.4	14.	14.75	26.5	30.1
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	26	7.5	17.	100.	0.	562.64	23.72	0.	1.75	22.75	51.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	112	33.5	34.073	67.	3.2	275.379	16.595	12.	22.	49.5	56.
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	83	66.	70.363	201.	1.	3776.955	61.457	2.64	8.	125.	155.8
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	343	313.	300.294	630.	-250.	40217.226	200.542	34.	190.	434.	622.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	352	439.	447.642	620.	155.	4086.236	63.924	387.3	413.	490.	520.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	395	3.7	3.762	18.7	0.	10.216	3.196	0.	1.2	5.1	7.3
00400	PH (STANDARD UNITS)	11/12/74-10/29/96	395	7.6	7.619	8.8	6.8	0.14	0.374	7.2	7.4	7.9	8.
00400	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	395	7.6	7.483	8.8	6.8	0.158	0.398	7.2	7.4	7.9	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	395	0.025	0.033	0.158	0.002	0.001	0.026	0.01	0.013	0.04	0.063
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	42	168.	172.095	224.	131.	732.088	27.057	140.	150.5	190.5	220.
00500	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	37	324.	321.351	505.	233.	3025.456	55.004	247.6	288.5	357.5	375.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-09/18/96	11	268.	263.091	274.	230.	245.891	15.681	230.8	264.	272.	274.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	38	14.	20.895	70.	2.5	388.205	19.703	2.5	6.	30.	56.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	49	0.28	0.775	8.3	0.025	2.126	1.458	0.025	0.16	0.77	2.26
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	48	0.95	1.617	11.9	0.4	3.367	1.835	0.69	0.8	1.6	3.592
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	49	1.	1.436	6.6	0.025	1.989	1.41	0.05	0.35	2.15	3.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	49	0.095	0.161	1.52	0.02	0.058	0.241	0.025	0.045	0.175	0.385
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	48	0.023	0.066	0.76	0.005	0.013	0.115	0.005	0.005	0.09	0.12
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/81-09/18/96	11	5.	5.1	9.4	2.	8.97	2.995	2.	2.	8.2	9.18
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	40	211.	243.1	476.	163.	6237.938	78.981	182.	204.	247.75	373.
00916	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	46	40.5	53.2	129.	25.	758.204	27.536	30.	37.5	55.525	110.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	46	26.	29.722	52.	22.	76.735	8.76	23.	25.	28.35	48.
00929	SODIUM, TOTAL (MG/L AS NA)	04/17/75-09/04/96	46	9.9	9.743	14.	6.	4.479	2.116	6.56	8.473	11.	12.3
00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	46	3.	2.967	4.1	2.	0.198	0.445	2.3	2.7	3.3	3.437
00940	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	48	21.	20.542	30.	9.	38.381	6.195	11.	16.	24.75	30.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	45	42.	38.933	50.	11.	101.745	10.087	22.2	34.	46.5	48.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	30 ##	25.	22.51	25.	0.1	57.725	7.598	2.59	25.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	30 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	36 ##	25.	22.958	25.	0.5	47.163	6.867	17.65	25.	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	05/21/76-05/12/86	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	16 ##	25.	20.688	25.	2.	85.963	9.272	2.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	49	610.	954.571	5750.	44.	1168312.625	1080.885	170.	247.5	1357.5	1840.
01046	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	43 ##	50.	252.558	4000.	50.	624052.824	789.97	50.	50.	50.	154.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/21/76-05/12/86	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	16 ##	25.	20.5	25.	0.5	93.7	9.68	0.5	25.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	49	65.	281.612	2545.	10.	298963.742	546.776	10.	29.5	230.	1095.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	43	25.	191.86	2545.	5.	197266.694	444.147	10.	10.	150.	586.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	30 ##	50.	57.167	200.	25.	851.178	29.175	50.	50.	50.	69.
01092	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	36 ##	50.	75.833	200.	9.	2829.971	53.197	40.4	50.	100.	183.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	18	295.	505.556	1760.	50.	206967.32	454.937	95.	250.	625.	1481.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/21/76-08/10/83	15 ##	250.	182.	250.	25.	10056.429	100.282	25.	50.	250.	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	52	14.96	17.289	99.92	1.22	230.378	15.178	4.431	8.858	18.783	34.741
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	48	9.375	11.222	39.37	0.5	84.606	9.198	0.5	4.508	13.49	25.737
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	48	1.08	1.483	13.15	0.5	3.812	1.952	0.5	0.5	1.605	2.557
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	48	7.635	11.276	154.52	0.5	470.707	21.696	1.649	5.875	10.158	17.866
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	48	1.4	1.346	1.6	1.	0.028	0.168	1.	1.3	1.4	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	14	3.	3.771	8.6	0.5	10.539	3.246	0.5	0.5	7.1	8.6
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	16	4.25	4.719	10.	1.	11.25	3.354	1.	1.225	8.1	10.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	64	15.	16.031	42.	0.	143.459	11.977	0.	5.	25.	35.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	53	4.	7.755	15.8	2.8	20.814	4.562	3.3	3.3	11.9	12.92
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	5	6.	8.8	20.	2.	47.2	6.87	**	**	**	**
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	8	34.5	40.125	100.	1.	1299.554	36.049	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	12	8.4	8.442	11.2	6.3	2.646	1.627	6.3	7.	9.6	10.96
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	18	18.	21.772	60.	0.6	523.522	22.881	0.78	2.05	43.	60.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	43	606.	603.767	748.	420.	6301.468	79.382	495.2	569.	620.	743.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	53	11.4	12.234	23.5	5.4	43.145	6.569	5.74	6.6	15.4	23.36
00400	PH (STANDARD UNITS)	11/12/74-10/29/96	43	8.	8.093	8.6	7.1	0.139	0.373	7.8	7.8	8.5	8.6
00400	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	43	8.	7.937	8.6	7.1	0.164	0.404	7.8	7.8	8.5	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	43	0.01	0.012	0.079	0.003	0.	0.012	0.003	0.003	0.016	0.016
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	19	252.	263.789	354.	173.	2841.62	53.307	189.	234.	294.	353.
00500	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	11	366.	372.273	430.	301.	1921.018	43.829	304.	344.	419.	428.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-09/18/96	3	424.	422.333	424.	419.	8.333	2.887	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	8 ##	5.	12.813	62.	2.5	421.21	20.523	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	6 ##	0.05	0.068	0.21	0.025	0.005	0.07	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	20	0.4	0.445	1.2	0.05	0.102	0.319	0.05	0.2	0.675	0.89
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	20	3.7	5.375	16.	1.1	22.522	4.746	1.1	1.45	9.875	13.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	20	0.13	0.154	0.507	0.05	0.009	0.095	0.091	0.101	0.164	0.238
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	3	0.06	0.071	0.096	0.056	0.	0.022	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	19	294.	281.158	333.	217.	1222.029	34.958	224.	245.	299.	329.
00916	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	20	61.5	61.945	90.	5.9	330.639	18.183	50.	53.25	73.75	86.8
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	6	34.	28.	40.	5.	166.	12.884	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	6	11.5	9.933	13.	1.8	19.131	4.374	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	3	2.6	2.667	3.4	2.	0.493	0.702	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/12/74-09/04/96	19	17.	20.053	36.	14.	51.83	7.199	15.	17.	19.	36.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	19	49.	47.211	60.	27.	79.064	8.892	30.	46.	51.	56.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	17 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	17 ##	25.	29.706	80.	25.	204.596	14.304	25.	25.	25.	56.
01045	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	20	795.	2322.5	24750.	100.	29192556.579	5403.014	110.	390.	2667.5	3395.
01046	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	17 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	20	47.	272.15	4360.	5.	927574.239	963.107	5.5	25.	110.	138.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	3 ##	10.	13.333	20.	10.	33.333	5.774	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	10 ##	50.	42.5	50.	25.	145.833	12.076	25.	25.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	3	130.	130.	130.	130.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	3	94.5	95.023	97.53	93.04	5.245	2.29	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	3	56.41	53.533	57.36	46.83	33.927	5.825	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	3	64.1	64.99	73.32	57.55	62.767	7.923	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	3	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	14	4.8	5.521	10.	1.5	9.937	3.152	1.75	2.575	8.275	10.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/12/74-10/29/96	1595	18.	19.083	75.	0.	191.527	13.839	2.	7.	30.	39.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/12/74-10/29/96	1212	21.4	20.223	29.9	6.7	28.764	5.363	12.5	16.6	24.1	26.57
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/12/74-10/29/96	59	21.	20.847	32.	2.	40.545	6.368	14.	17.	26.	28.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	04/17/75-10/29/96	188	4.5	15.405	100.	0.	477.643	21.855	0.1	1.	23.	45.1
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-08/12/91	507	37.1	38.174	99.	0.	589.161	24.273	5.58	17.	58.	70.
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/12/74-04/28/81	167	40.	50.127	183.	0.5	2210.56	47.017	2.16	12.	62.	130.8
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/21/76-10/29/96	832	293.5	279.401	635.	-200.	23498.322	153.292	56.	177.	408.	474.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/12/74-10/29/96	876	500.	482.406	697.	50.	15694.246	125.277	374.7	426.	562.	616.6

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Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/12/74-10/29/96	1212	4.5	4.916	18.6	0.	18.72	4.327	0.	0.3	8.2	10.97
00400	PH (STANDARD UNITS)	11/12/74-10/29/96	1166	7.6	7.715	9.9	3.5	0.395	0.628	7.1	7.4	8.1	8.43
00400	CONVERTED PH (STANDARD UNITS)	11/12/74-10/29/96	1166	7.6	5.747	9.9	3.5	4.27	2.066	7.1	7.4	8.1	8.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/74-10/29/96	1166	0.025	1.791	316.228	0.	418.117	20.448	0.004	0.008	0.04	0.079
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	11/12/74-10/29/96	167	181.	178.042	506.	0.5	4476.555	66.907	103.2	145.	205.	230.2
00500	RESIDUE, TOTAL (MG/L)	01/07/75-09/18/96	152	350.5	349.441	573.	24.	6577.599	81.102	264.2	303.25	401.75	449.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/28/81-09/18/96	73	316.	313.863	474.	5.	10830.064	104.068	197.2	240.	398.	438.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/04/75-09/18/96	150	13.	27.32	338.	2.	2255.578	47.493	2.55	5.75	24.25	67.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/11/75-09/18/96	213	0.1	0.435	7.8	0.01	0.766	0.875	0.025	0.05	0.4	1.118
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/12/74-09/18/96	205	0.8	1.226	43.	0.01	9.817	3.133	0.3	0.5	1.1	1.74
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/12/74-09/18/96	197	3.6	6.452	480.	0.05	1160.18	34.061	0.05	2.17	6.	8.02
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/12/74-09/18/96	201	0.07	0.091	0.88	0.005	0.014	0.12	0.005	0.033	0.11	0.154
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/17/75-09/18/96	198	0.02	0.043	0.61	0.005	0.004	0.066	0.005	0.005	0.07	0.085
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/28/81-09/18/96	86	4.6	5.141	18.	0.5	11.104	3.332	2.	3.	6.35	9.5
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	11/12/74-09/04/96	181	252.	251.843	382.	2.5	2238.16	47.309	197.4	226.	287.	306.
00916	CALCIUM, TOTAL (MG/L AS Ca)	11/12/74-09/04/96	180	50.55	51.097	86.5	4.7	199.874	14.138	33.1	42.	60.	71.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/17/75-09/04/96	179	26.	27.955	48.	9.	40.359	6.353	20.	24.	32.	35.
00929	SODIUM, TOTAL (MG/L AS Na)	04/17/75-09/04/96	181	7.	9.626	393.	1.84	836.378	28.92	4.	5.9	8.5	12.
00937	POTASSIUM, TOTAL MG/L AS K)	07/30/75-09/04/96	162	2.	2.534	12.	0.5	4.323	2.079	1.2	1.7	2.5	3.9
00940	CHLORIDE, TOTAL IN WATER MG/L	11/12/74-09/04/96	197	21.	21.782	60.	1.	73.881	8.595	14.	17.	24.5	31.4
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/74-09/04/96	212	44.	41.092	89.	0.	251.667	15.864	22.	33.25	49.	56.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/77-05/12/86	97 ##	25.	12.881	25.	0.5	151.483	12.308	0.5	0.5	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/74-09/04/96	117 ##	25.	13.915	25.	0.1	149.764	12.238	0.5	0.5	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/21/76-05/12/86	104 ##	25.	13.971	25.	0.5	144.227	12.009	0.5	0.5	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/75-09/04/96	131 ##	25.	15.233	25.	0.5	137.836	11.74	0.5	1.	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	05/21/76-05/12/86	31 ##	25.	17.355	25.	2.5	113.153	10.637	2.5	2.5	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	11/12/74-09/04/96	57 ##	25.	18.807	25.	2.	100.435	10.022	2.5	5.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	11/12/74-09/18/96	196	526.5	848.151	13200.	2.	1453987.399	1205.814	100.	226.25	1095.	1916.
01046	IRON, DISSOLVED (UG/L AS FE)	04/17/75-08/10/83	159 ##	50.	127.516	4000.	50.	144586.353	380.245	50.	50.	50.	120.
01049	LEAD, DISSOLVED (UG/L AS PB)	05/21/76-05/12/86	26 ##	25.	15.077	25.	1.	140.314	11.845	1.	1.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	11/12/74-09/04/96	57 ##	25.	18.658	25.	0.5	113.885	10.672	0.9	2.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/12/74-09/18/96	196	40.	165.321	1705.	5.	82133.163	286.589	10.	20.	143.	500.8
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/17/75-08/10/83	159	10.	163.698	2330.	5.	119478.529	345.657	5.	5.	120.	510.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/21/76-08/10/83	128 ##	25.	35.609	58.	25.	155.956	12.488	25.	25.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	02/04/75-09/04/96	157 ##	50.	44.475	190.	2.5	984.82	31.382	25.	25.	50.	72.4
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/21/76-09/04/96	75	250.	776.747	12120.	25.	2379313.813	1542.502	167.6	230.	800.	1916.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/21/76-08/10/83	58 ##	95.	134.052	570.	25.	13038.12	114.185	25.	25.	250.	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	239	16.04	23.786	115.6	1.44	458.867	21.421	3.61	6.49	35.92	57.44
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	221	11.35	19.843	114.38	0.5	416.662	20.412	1.384	3.68	32.1	51.48
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/13/78-10/29/96	186	1.255	1.967	13.21	0.5	4.009	2.002	0.5	0.5	2.6	4.729
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/13/78-10/29/96	220	5.3	6.234	45.81	0.5	26.068	5.106	1.613	3.238	7.578	11.245
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/13/78-10/29/96	216	1.5	1.423	1.7	1.	0.03	0.174	1.2	1.3	1.6	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/21/76-05/12/86	65	1.3	2.06	8.7	0.5	4.028	2.007	0.5	0.5	3.05	5.
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/74-08/10/83	68	2.3	3.175	10.	0.5	9.838	3.137	0.5	0.5	4.975	8.84

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Station Inventory for Station: HOCU0058

NPS Station ID: HOCU0058 LAT/LON: 39.247226/ -83.356115
 Location: PAINT CREEK LK AB DAM NR BAINBRIDGE OH
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060003 Depth of Water: 0
 Major Basin: Elevation: 0
 Minor Basin:
 RF1 Index: 05060003 RF1 Mile Point: 0.000
 RF3 Index: 05060003004100.26 RF3 Mile Point: 0.91
 Description:

Agency: 112WRD
 FIPS State/County: 39071 OHIO/HIGHLAND
 STORET Station ID(s): 391450083212200
 Within Park Boundary: No

Date Created: 12/10/75

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 2.10
 Distance from RF3: 0.01

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	05/06/75-09/05/75	20	15.	17.35	45.	0.	201.397	14.191	0.2	4.75	28.75	40.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/06/75-09/05/75	20	18.25	19.685	26.5	11.7	28.955	5.381	11.78	15.45	25.375	26.38
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/06/75-09/05/75	4	15.	23.5	60.	4.	685.667	26.185	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/75-09/05/75	2	31.	31.	36.	26.	50.	7.071	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/06/75-09/05/75	4	55.	82.5	200.	20.	6425.	80.156	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/75-09/05/75	20	415.	421.8	460.	390.	720.589	26.844	390.	393.	450.	460.
00300	OXYGEN, DISSOLVED MG/L	05/06/75-09/05/75	20	6.8	8.96	20.8	0.	52.878	7.272	0.	3.275	17.375	20.32
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/06/75-09/05/75	20	86.	97.75	229.	0.	6057.987	77.833	0.	38.25	183.75	220.9
00310	BOD, 5 DAY, 20 DEG C MG/L	05/06/75-09/05/75	4	2.85	3.9	8.2	1.7	8.593	2.931	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/06/75-09/05/75	4	17.	21.25	36.	15.	98.25	9.912	**	**	**	**
00400	PH (STANDARD UNITS)	05/06/75-09/05/75	20	7.6	7.57	8.6	6.8	0.352	0.593	6.8	6.925	7.975	8.48
00400	CONVERTED PH (STANDARD UNITS)	05/06/75-09/05/75	20	7.589	7.255	8.6	6.8	0.456	0.676	6.8	6.925	7.975	8.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/75-09/05/75	20	0.026	0.056	0.158	0.003	0.003	0.059	0.003	0.011	0.119	0.158
00405	CARBON DIOXIDE (MG/L AS CO2)	05/06/75-09/05/75	4	34.35	33.925	66.	1.	1330.689	36.479	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/75-09/05/75	4	191.	187.5	215.	153.	897.667	29.961	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/06/75-09/05/75	4	226.	225.	262.	186.	1564.	39.547	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/06/75-09/05/75	4	0.	1.75	7.	0.	12.25	3.5	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/06/75-05/06/75	1	349.	349.	349.	349.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/06/75-05/06/75	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	05/06/75-09/05/75	4	3.75	3.425	5.2	1.	3.283	1.812	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/06/75-09/05/75	4	1.085	1.043	1.4	0.6	0.175	0.419	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/06/75-09/05/75	4	0.38	0.673	1.8	0.13	0.581	0.762	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/06/75-09/05/75	4	0.05	0.074	0.19	0.005	0.007	0.084	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/06/75-09/05/75	4	1.39	1.645	3.8	0.	3.315	1.821	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/06/75-09/05/75	4	1.45	1.708	3.2	0.73	1.147	1.071	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/75-09/05/75	4	1.45	1.738	4.	0.05	3.592	1.895	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/06/75-09/05/75	4	0.14	0.123	0.17	0.04	0.003	0.057	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/06/75-09/05/75	4	10.45	10.1	13.	6.5	7.407	2.722	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/06/75-05/06/75	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/06/75-05/06/75	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/06/75-05/06/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/75-05/06/75	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	05/06/75-05/06/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	05/06/75-05/06/75	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/75-05/06/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	05/06/75-05/06/75	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/06/75-05/06/75	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/06/75-05/06/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0058

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/06/75-09/05/75	4	4.35	4.275	6.6	1.8	6.929	2.632	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/06/75-05/06/75	1 ##	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	05/06/75-05/06/75	1 ##	50.	50.	50.	50.	0.	0.	**	**	**
01022	BORON, TOTAL (UG/L AS B)	05/06/75-05/06/75	1	50.	50.	50.	50.	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-05/06/75	1 ##	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-05/06/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/06/75-05/06/75	1 ##	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-05/06/75	1 ##	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/06/75-05/06/75	1	270.	270.	270.	270.	0.	0.	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-05/06/75	1	2.	2.	2.	2.	0.	0.	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/06/75-05/06/75	1	60.	60.	60.	60.	0.	0.	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	05/06/75-05/06/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/06/75-05/06/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	05/06/75-05/06/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-05/06/75	1 ##	10.	10.	10.	10.	0.	0.	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	05/06/75-05/06/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/06/75-09/05/75	4	19.5	28.25	72.	2.	1100.25	33.17	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/06/75-09/05/75	4	1.017	1.048	1.857	0.301	0.599	0.774	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/06/75-09/05/75	4	15.	20.875	52.	1.5	583.729	24.16	**	**	**
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	05/06/75-09/05/75	4	0.874	0.91	1.716	0.176	0.616	0.785	**	**	**
31679	LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	05/06/75-09/05/75	4	0.874	0.91	1.716	0.176	0.616	0.785	**	**	**
31679	GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	05/06/75-09/05/75	4	0.874	0.91	1.716	0.176	0.616	0.785	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/06/75-05/06/75	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	05/06/75-05/06/75	1	70000.	70000.	70000.	70000.	0.	0.	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	05/06/75-05/06/75	1	291.	291.	291.	291.	0.	0.	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/06/75-05/06/75	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/06/75-09/05/75	4	0.055	0.053	0.08	0.02	0.001	0.032	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	05/06/75-09/05/75	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/06/75-09/05/75	4	16.5	15.15	23.	4.6	63.023	7.939	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-05/06/75	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	05/06/75-05/06/75	2	21.	21.	40.	2.	722.	26.87	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0058

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0.25	2	1	0.50				2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0.25	9	5	0.56				11	0	0.00			
00400	PH	Fresh Chronic	9.	20	0.00	9	0	0.00				11	0	0.00			
		Other-Lo Lim.	6.5	20	0.00	9	0	0.00				11	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0.00	2	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0.00	2	0	0.00				2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0.00	2	0	0.00				2	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0.00							1	0	0.00			
		Drinking Water	250.	1	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0.00							1	0	0.00			
		Drinking Water	50.	1	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0.00							1	0	0.00			
		Drinking Water	5.	1	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0.00							1	0	0.00			
		Drinking Water	1300.	1	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0.00							1	0	0.00			
		Drinking Water	15.	1	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0.00							1	0	0.00			
		Drinking Water	100.	1	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0058

Parameter	Std. Type	Std. Value	Total			-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01077 SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00	2	0	0.00				2	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0059

NPS Station ID: HOCU0059
 Location: PAINT CREEK LAKE L-1
 Station Type: /TYPA/AMBNT/LAKE/BIO
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060002092000.00
 Description:

LAT/LON: 39.245833/ -83.356944

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.11

Agency: 21OHIO
 FIPS State/County: 39071 OHIO/HIGHLAND
 STORET Station ID(s): OH4201-186L-1
 Within Park Boundary: No

Date Created: 02/19/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 6.30
 Distance from RF3: 0.10

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0059

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	08/03/92-05/25/93	6	12.5	12.667	24.	2.	136.667	11.69	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/25/92	3	23.	22.4	24.	20.2	3.88	1.97	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	2	425.	425.	482.	368.	6498.	80.61	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/25/92	3	12.	11.4	18.	4.2	47.88	6.92	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/03/92-05/25/93	4	2.	3.625	10.	0.5	18.589	4.312	**	**	**	**
00400 PH (STANDARD UNITS)	08/03/92-08/25/92	3	8.58	8.517	9.07	7.9	0.345	0.588	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	08/03/92-08/25/92	3	8.58	8.271	9.07	7.9	0.436	0.66	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-08/25/92	3	0.003	0.005	0.013	0.001	0.	0.006	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	08/03/92-05/25/93	6	194.	197.5	257.	148.	1421.5	37.703	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/03/92-05/25/93	4	13.5	14.75	20.	12.	14.25	3.775	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/92-05/25/93	6 ##	0.053	0.171	0.64	0.025	0.059	0.243	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	08/03/92-05/25/93	6	0.105	0.113	0.2	0.06	0.002	0.049	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/92-05/25/93	6	0.8	0.9	1.3	0.6	0.064	0.253	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	08/03/92-05/25/93	6	4.55	86.665	499.	2.85	40806.693	202.007	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/03/92-05/25/93	6	0.061	0.064	0.11	0.025	0.001	0.036	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	08/03/92-05/25/93	4	256.5	250.5	288.	201.	1413.667	37.599	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	08/03/92-05/25/93	6	60.	58.167	72.	45.	126.167	11.232	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	08/03/92-05/25/93	4	26.	25.75	30.	21.	13.583	3.686	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/25/93-05/25/93	2	45.5	45.5	49.	42.	24.5	4.95	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	08/03/92-05/25/93	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/25/93-05/25/93	1	17.9	17.9	17.9	17.9	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/03/92-05/25/93	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	05/25/93-05/25/93	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	05/25/93-05/25/93	1	39.6	39.6	39.6	39.6	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	08/03/92-05/25/93	6 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	08/03/92-05/25/93	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/25/93-05/25/93	1	35.4	35.4	35.4	35.4	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	08/03/92-05/25/93	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/25/93-05/25/93	1	54.6	54.6	54.6	54.6	0.	0.	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/25/93-05/25/93	1	728.	728.	728.	728.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	08/03/92-05/25/93	4	35.5	39.	70.	15.	748.667	27.362	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	05/25/93-05/25/93	1	49.3	49.3	49.3	49.3	0.	0.	**	**	**	**
01082 STRONTIUM, TOTAL (UG/L AS SR)	08/03/92-05/25/93	4	949.5	939.75	1120.	740.	25286.917	159.019	**	**	**	**
01083 STRONTIUM IN BOTTOM DEPOSITS (MG/KG AS SR DRY WGT)	05/25/93-05/25/93	1	251.	251.	251.	251.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	08/03/92-05/25/93	6 ##	5.	14.167	49.	5.	310.567	17.623	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/25/93-05/25/93	1	139.	139.	139.	139.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/25/93-05/25/93	1 ##	0.275	0.275	0.275	0.275	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/03/92-05/25/93	3	15.	13.333	20.	5.	58.333	7.638	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0059

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/03/92-05/25/93	3	1.176	1.059	1.301	0.699	0.101	0.318	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			11.447								
31648 E. COLI - MTEC-MF N0/100ML	05/25/93-05/25/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31648 LOG E. COLI - MTEC-MF N0/1	05/25/93-05/25/93	1 ##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31648 GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			5.								
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/92-05/25/93	4	291.	302.	342.	284.	722.667	26.882	**	**	**	**
75049 MERCURY (HG) SEDIMENT, DRY, WT, UG/KG	05/25/93-05/25/93	1	0.046	0.046	0.046	0.046	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0059

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			
00400 PH	Fresh Chronic	9.	3	1	0.33							3	1	0.33			
	Other-Lo Lim.	6.5	3	0	0.00							3	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00							6	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	1	0.17							6	1	0.17			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00							5	0	0.00			
	Drinking Water	50.	5	0	0.00							5	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00							6	0	0.00			
	Drinking Water	5.	6	0	0.00							6	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00							6	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	6	0	0.00							6	0	0.00			
	Drinking Water	1300.	6	0	0.00							6	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	6	0	0.00							6	0	0.00			
	Drinking Water	15.	6	0	0.00							6	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	6	0	0.00							6	0	0.00			
	Drinking Water	5000.	6	0	0.00							6	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00							3	0	0.00			
31648 E. COLI, MTEC, MF	Other-Hi Lim.	126.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0060

NPS Station ID: HOCU0060
 Location: PAINT CREEK RESERVOIR OH
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 037.80
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003024
 RF3 Index: 05060003002503.48

LAT/LON: 39.241567/ -83.365592

Depth of Water: 45
 Elevation: 0

RF1 Mile Point: 0.250
 RF3 Mile Point: 3.48

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1PCS0W0015
 Within Park Boundary: No

Date Created: 05/19/76

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.01

On/Off RF1: ON
 On/Off RF3:

Description:
 LOCATED IN PAINT CR LAKE ABOUT 1 MILE ABOVE DAM, BAINBRIDGE OHIO QUAD. SAMPLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
 ROSS COUNTY

Parameter Inventory for Station: HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	1117	15.	16.551	45.	0.	143.719	11.988	2.	6.	25.	35.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	949	21.8	20.308	30.8	4.1	31.888	5.647	12.3	15.9	24.6	26.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	88	25.	20.92	35.	3.	91.155	9.547	3.	15.	26.	32.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	90	3.85	15.704	100.	0.	526.46	22.945	0.01	0.575	22.	49.8
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	796	11.	17.96	92.	0.	337.145	18.362	1.	4.725	26.	48.
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	15	30.	37.733	86.	12.	577.067	24.022	13.2	16.	62.	77.6
00077	TRANSPARENCY, SECCHI DISC (INCHES)	50	29.	30.2	70.	3.	131.551	11.47	16.2	24.	35.25	42.6
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	568	247.5	257.336	523.	-103.	9379.832	96.85	152.	189.	309.5	393.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	348	531.	531.54	699.	357.	3156.117	56.179	462.	489.	571.	604.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	600	471.	489.212	780.	355.	4324.257	65.759	414.	441.	545.75	591.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	947	5.8	5.801	21.	0.	19.514	4.417	0.	1.7	9.	11.3
00400	PH (STANDARD UNITS)	914	7.6	7.678	9.1	5.4	0.404	0.635	7.	7.3	8.1	8.5
00400	CONVERTED PH (STANDARD UNITS)	914	7.6	6.968	9.1	5.4	0.909	0.953	7.	7.3	8.1	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	914	0.025	0.108	3.981	0.001	0.226	0.475	0.003	0.008	0.05	0.1
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	66	171.5	178.652	579.	60.	5628.692	75.025	91.1	133.75	219.5	244.3
00500	RESIDUE, TOTAL (MG/L)	61	341.	349.213	510.	100.	6385.237	79.908	270.2	310.5	403.	448.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	60	315.5	319.383	478.	71.	5442.986	73.777	259.	290.5	363.25	403.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	61	20.	33.451	375.	0.5	2898.998	53.842	5.	5.	32.	86.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	127 ##	0.05	0.609	5.8	0.05	1.455	1.206	0.05	0.05	0.5	1.84
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	127	0.8	1.213	7.7	0.05	1.667	1.291	0.28	0.5	1.3	2.36
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	103	3.3	3.532	9.5	0.05	7.602	2.757	0.05	0.9	6.1	6.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	114	0.036	0.069	0.657	0.005	0.011	0.107	0.005	0.012	0.082	0.143
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	24 ##	0.005	0.008	0.035	0.005	0.	0.007	0.005	0.005	0.005	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	30	3.5	4.117	14.	0.5	6.512	2.552	1.	3.	5.	6.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	60	223.5	222.388	330.	0.25	1937.069	44.012	176.6	205.25	243.75	267.
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	21	45.	44.667	73.	33.	96.533	9.825	34.2	36.	50.	56.6
00916	CALCIUM, TOTAL (MG/L AS Ca)	61	48.7	47.193	73.	0.5	121.536	11.024	35.2	42.	52.75	59.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	21	23.	23.286	35.	15.	17.714	4.209	19.	20.5	24.	29.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	61	26.	25.52	36.	0.5	35.508	5.959	20.	24.	29.	31.6
00929	SODIUM, TOTAL (MG/L AS NA)	61	7.	6.877	13.	0.5	5.913	2.432	4.	5.	8.	10.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	21	6.	6.048	8.	4.	1.848	1.359	4.	5.	7.	8.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	21	2.	1.929	4.	0.5	1.157	1.076	0.5	0.75	2.5	3.8
00937	POTASSIUM, TOTAL MG/L AS K)	45	3.	3.151	6.	0.5	2.281	1.51	1.92	2.	5.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	05/29/80-05/22/91	70	24.5	23.271	35.	1.	42.317	6.505	15.	18.75	29.	30.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-07/24/90	64	38.5	36.633	75.	2.5	159.724	12.638	20.	29.25	41.	52.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/24/83-09/11/84	21	40.	27.167	60.	0.5	410.858	20.27	0.5	5.	40.	52.4
01007	BARIUM, TOTAL (UG/L AS BA)	05/24/83-09/23/87	55	50.	57.818	163.	5.	905.152	30.086	30.	40.	60.	98.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/24/83-09/11/84	21 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/24/83-09/23/87	55 ##	0.5	2.309	5.	0.5	4.921	2.218	0.5	0.5	5.	5.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/29/80-06/25/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/80-08/26/85	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/29/80-06/25/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/80-08/26/85	8 ##	0.5	0.688	2.	0.5	0.281	0.53	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/03/85-08/26/85	6 ##	2.5	5.417	20.	2.5	51.042	7.144	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/29/80-09/23/87	58	300.	924.655	6200.	50.	2193923.563	1481.19	50.	100.	925.	3040.
01046	IRON, DISSOLVED (UG/L AS FE)	05/29/80-09/11/84	24 ##	50.	206.25	3800.	50.	585937.5	765.466	50.	50.	50.	50.
01051	LEAD, TOTAL (UG/L AS PB)	06/03/85-08/26/85	6 ##	1.	1.333	3.	1.	0.667	0.816	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-09/23/87	57	50.	303.509	3120.	5.	425761.576	652.504	5.	10.	175.	1380.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/29/80-09/11/84	23 ##	5.	147.174	2430.	5.	260176.877	510.075	5.	5.	30.	382.
01067	NICKEL, TOTAL (UG/L AS NI)	06/03/85-08/26/85	6 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/29/80-09/11/84	24 ##	25.	102.083	1520.	25.	96454.167	310.571	25.	25.	25.	202.5
01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-09/23/87	57 ##	25.	187.807	4210.	25.	489830.373	699.879	25.	25.	25.	52.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/24/83-09/11/84	21 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/24/83-12/02/86	39 ##	50.	79.487	300.	50.	5357.625	73.196	50.	50.	50.	200.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/24/83-09/23/87	55	270.	660.545	5100.	25.	891407.104	944.144	56.	140.	910.	1844.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/24/83-09/11/84	21	60.	73.333	300.	25.	4620.833	67.977	25.	25.	120.	148.
03685	PHOSPHORUS, LIQUID FRACTION, ELUTRIATE UG/L	06/03/85-06/03/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2	1095.	1095.	2090.	100.	1980050.	1407.142	**	**	**	**
03687	ANTIMONY (SB), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	75.	75.	100.	50.	1250.	35.355	**	**	**	**
03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-08/14/84	1	17.	17.	17.	17.	0.	0.	**	**	**	**
03689	BARIUM (BA), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2	75.	75.	140.	10.	8450.	91.924	**	**	**	**
03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2	5550.	5550.	7500.	3600.	7605000.	2757.716	**	**	**	**
03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2	2515.	2515.	2730.	2300.	92450.	304.056	**	**	**	**
03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-08/14/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	2	59.	59.	71.	47.	288.	16.971	**	**	**	**
03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	2	26.5	26.5	34.	19.	112.5	10.607	**	**	**	**
03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	08/14/84-06/03/85	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
03720	NITROGEN,TOTAL KJELDAHL,LIQ FRAC, ELUTRIATE MG/L	06/03/85-06/03/85	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03737	GAMMA-BHC (LINDANE),LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**
03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
03747	BETA-ENDOSULFAN, LIQ FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03748	ENDOSULFAN SULFATE,LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03749	HEPTACHLOR, LIQUID, FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**
03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03755	DICHLOROPHENOL, 2-, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	08/14/84-06/03/85	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	126	29.03	30.736	112.24	3.02	426.662	20.656	6.92	15.87	53.729
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	111	18.76	23.124	102.77	1.51	387.647	19.689	3.2	6.42	46.768
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	121	1.62	2.319	16.5	0.5	6.417	2.533	0.5	0.5	5.636
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	109	10.1	11.541	39.22	0.5	61.856	7.865	3.01	6.135	21.55
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/29/80-05/22/91	109	1.4	1.421	1.7	1.	0.023	0.151	1.2	1.3	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/27/80-08/27/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/27/80-08/27/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/28/81-05/24/83	37	0.2	0.535	4.	0.	0.732	0.856	0.	0.	1.84
82537	TURBIDITY, FORWARD SCATTER JTU	04/28/81-10/24/87	695	50.	91.61	800.	4.9	13901.637	117.905	20.	30.	200.
85798	NITROGEN, AMMONIA, ELUTRIATE TEST EXTRAC,AS N,MG/L	06/03/85-06/03/85	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0060

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	15	0.27							15	4	0.27			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	947	0.39	167	87	0.52	40	0	0.00	740	286	0.39			
00400	PH	Fresh Chronic	9.	914	0.01	167	0	0.00	40	0	0.00	707	6	0.01			
		Other-Lo Lim.	6.5	914	0.04	167	20	0.12	40	0	0.00	707	13	0.02			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	103	0.00	24	0	0.00	6	0	0.00	73	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	70	0.00	15	0	0.00	6	0	0.00	49	0	0.00			
		Drinking Water	250.	70	0.00	15	0	0.00	6	0	0.00	49	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	64	0.00	15	0	0.00	6	0	0.00	43	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	21	0.00	6	0	0.00	0	0.00	0.00	15	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	55	0.00	15	0	0.00	6	0	0.00	34	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	21	0.00	6	0	0.00	0	0.00	0.00	15	0	0.00			
		Drinking Water	4.	21	0.00	6	0	0.00	0	0.00	0.00	15	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	55	0.00	15	0	0.00	6	0	0.00	34	0	0.00			
		Drinking Water	4.	33 &	0.00	12	0	0.00				21	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0.00							2	0	0.00			
		Drinking Water	5.	2	0.00							2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0.00							8	0	0.00			
		Drinking Water	5.	8	0.00							8	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0.00							2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0.00							8	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	0.17							6	1	0.17			
		Drinking Water	1300.	6	0.00							6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0.00							6	0	0.00			
		Drinking Water	15.	6	0.00							6	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0.00							6	0	0.00			
		Drinking Water	100.	6	0.00							6	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	24	0.08	6	1	0.17				18	1	0.06			
		Drinking Water	5000.	24	0.00	6	0	0.00				18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0060

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01092	ZINC, TOTAL																
	Fresh Acute	120.	57	4	0.07	15	2	0.13	6	0	0.00	36	2	0.06			
	Drinking Water	5000.	57	0	0.00	15	0	0.00	6	0	0.00	36	0	0.00			
01095	ANTIMONY, DISSOLVED																
	Fresh Acute	88.	21	0	0.00	6	0	0.00				15	0	0.00			
	Drinking Water	6.	0 &	0	0.00												
01097	ANTIMONY, TOTAL																
	Fresh Acute	88.	39	7	0.18	12	3	0.25	6	3	0.50	21	1	0.05			
	Drinking Water	6.	7 &	7	1.00	3	3	1.00	3	3	1.00	1	1	1.00			
71890	MERCURY, DISSOLVED																
	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL																
	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1975 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	48	15.	15.958	40.	0.	143.871	11.995	1.	4.25	25.75	33.2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	41	20.3	19.615	28.9	11.8	27.6	5.254	12.34	14.1	23.2	27.34
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	12	36.5	35.417	65.	6.	478.083	21.865	6.3	13.5	58.	63.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	41	550.	545.878	780.	408.	6879.56	82.943	423.6	504.	584.	653.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	41	7.3	6.366	16.6	0.	23.479	4.846	0.	0.4	9.55	13.36
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	41	8.	8.122	9.	7.4	0.235	0.485	7.5	7.75	8.7	8.78
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	41	8.	7.907	9.	7.4	0.282	0.531	7.5	7.75	8.7	8.78
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	41	0.01	0.012	0.04	0.001	0.	0.011	0.002	0.002	0.018	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	91	16.	16.473	40.	0.	142.496	11.937	1.2	6.	26.	34.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	78	22.85	22.401	28.5	17.2	6.863	2.62	18.68	19.975	23.8	26.13
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	57	52.	47.5	92.	1.6	757.171	27.517	4.64	24.	68.5	81.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-09/11/84	78	520.	519.846	656.	357.	4787.95	69.195	426.9	473.	571.5	621.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	76	2.75	4.014	14.2	0.	15.884	3.985	0.	1.325	5.075	10.89
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	78	7.6	7.671	8.8	7.	0.154	0.392	7.3	7.4	7.8	8.31
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	78	7.6	7.548	8.8	7.	0.169	0.411	7.3	7.4	7.8	8.31
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	78	0.025	0.028	0.1	0.002	0.	0.017	0.005	0.016	0.04	0.05
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	3	0.8	0.867	1.	0.8	0.013	0.115	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	3	0.06	0.073	0.1	0.06	0.001	0.023	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	122	19.	19.057	44.	0.	155.774	12.481	2.	8.	30.	36.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	113	22.1	20.231	27.2	11.1	30.414	5.515	11.9	14.4	24.7	26.6
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	90	29.	29.847	60.	0.8	268.316	16.38	7.34	18.75	40.25	55.9
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	94	155.	183.426	409.	57.	8703.43	93.292	100.5	135.25	177.25	387.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-09/11/84	113	570.	560.973	647.	473.	2030.062	45.056	478.	536.	593.5	606.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	113	6.	5.324	13.4	0.	15.029	3.877	0.	1.15	7.95	10.26
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	113	7.5	7.529	8.7	6.6	0.197	0.444	7.	7.2	7.95	8.3
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	113	7.5	7.345	8.7	6.6	0.231	0.481	7.	7.2	7.95	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	113	0.032	0.045	0.251	0.002	0.002	0.04	0.005	0.011	0.063	0.1
82537	TURBIDITY, FORWARD SCATTER JTU	04/28/81-10/24/87	113	35.	47.389	320.	15.	2011.097	44.845	18.	21.	50.	85.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	61	22.	21.492	44.	0.	173.587	13.175	2.	10.	32.	39.6
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	52	19.05	18.45	22.6	14.1	4.046	2.012	15.66	17.125	19.7	21.06
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	51	20.	22.351	50.	1.8	282.939	16.821	3.24	6.5	38.	48.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	51	270.	251.922	403.	47.	9835.234	99.173	102.4	173.	316.	396.8
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-09/11/84	52	471.5	491.442	571.	446.	2137.075	46.229	448.	452.5	530.75	570.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	52	4.1	4.012	8.1	0.	8.34	2.888	0.	0.4	6.775	7.3

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Annual Analysis for 1983 - Station HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	52	6.9	7.173	7.9	6.6	0.202	0.449	6.7	6.8	7.7
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	52	6.9	6.989	7.9	6.6	0.236	0.486	6.7	6.8	7.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	52	0.126	0.103	0.251	0.013	0.006	0.076	0.02	0.02	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	6 ##	0.05	0.117	0.4	0.05	0.02	0.14	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	6	0.65	0.717	1.	0.5	0.054	0.232	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	6 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-10/24/87	31	440.	334.223	600.	4.9	29539.776	171.871	104.8	160.	480.
												496.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	120	20.	19.583	44.	0.	169.741	13.028	0.2	8.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	105	20.5	19.019	27.1	9.4	26.632	5.161	11.56	14.25	23.05
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	104	36.	30.956	64.	1.	257.597	16.05	6.2	18.	42.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	65	348.	340.846	523.	-34.	9737.288	98.678	219.	288.5	424.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-09/11/84	105	520.	528.41	699.	473.	1893.706	43.517	477.	499.	549.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	105	3.8	4.785	11.2	0.3	13.784	3.713	0.4	1.15	8.6
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	83	7.2	6.807	8.9	5.4	0.776	0.881	5.5	6.2	7.5
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	83	7.2	6.064	8.9	5.4	1.335	1.155	5.5	6.2	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	83	0.063	0.863	3.981	0.001	1.863	1.365	0.025	0.032	0.631
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	15 ##	0.05	0.45	5.2	0.05	1.744	1.32	0.05	0.05	0.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	15	1.1	1.35	5.2	0.05	1.463	1.21	0.2	0.7	1.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	12	0.019	0.043	0.135	0.005	0.003	0.052	0.005	0.005	0.1
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-10/24/87	102	70.	136.833	580.	16.	27056.596	164.489	24.9	42.	145.
												540.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	47	14.	15.638	38.	0.	123.366	11.107	2.	6.	25.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	42	24.95	23.769	28.2	15.3	13.247	3.64	18.01	20.875	26.2
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	28	10.65	10.832	25.5	0.	47.241	6.873	0.	9.525	15.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	41	475.	480.268	598.	403.	4024.451	63.439	404.	429.5	533.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	42	5.15	5.252	11.2	0.	16.429	4.053	0.	0.375	9.025
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	29	7.1	7.152	8.1	7.	0.038	0.196	7.	7.1	7.2
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	29	7.1	7.126	8.1	7.	0.039	0.197	7.	7.1	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	29	0.079	0.075	0.1	0.008	0.	0.018	0.063	0.063	0.079
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	9	0.3	0.622	3.6	0.05	1.293	1.137	0.05	0.05	0.55
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	9	0.6	0.833	4.1	0.05	1.574	1.255	0.05	0.175	0.75
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	9 ##	0.005	0.013	0.049	0.005	0.	0.015	0.005	0.005	0.02
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-10/24/87	42	20.	23.31	120.	9.	431.975	20.784	10.	15.	20.
												51.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	68	14.	14.574	35.	0.	115.054	10.726	0.	6.	22.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	56	15.3	14.33	23.1	5.1	36.334	6.028	5.98	7.85	21.2
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	56	3.8	5.039	18.8	0.	27.758	5.269	0.	0.	9.675
												13.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	56	482.	485.179	554.	441.	1461.349	38.228	447.1	458.	510.	552.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	56	7.3	6.441	11.5	0.	14.585	3.819	0.	4.675	10.4	11.06
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	56	7.3	7.396	8.	7.	0.1	0.316	7.	7.1	7.7	7.8
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	56	7.3	7.299	8.	7.	0.11	0.331	7.	7.1	7.7	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	56	0.05	0.05	0.1	0.01	0.001	0.03	0.016	0.02	0.079	0.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	12 ##	0.05	0.575	5.8	0.05	2.732	1.653	0.05	0.05	0.05	4.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	12	0.65	1.325	7.7	0.5	4.093	2.023	0.53	0.6	1.1	5.78
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	12 ##	0.005	0.013	0.066	0.005	0.	0.018	0.005	0.005	0.016	0.052
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-10/24/87	55	85.	103.364	560.	30.	9960.236	99.801	33.	45.	120.	212.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	457	14.	14.974	40.	0.	124.385	11.153	0.	6.	20.	35.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	369	23.4	21.509	30.8	4.1	36.168	6.014	12.6	19.3	25.6	27.4
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	368	7.	9.092	48.	0.	65.067	8.066	0.	4.	13.	18.8
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	297	259.	274.185	522.	-103.	6963.131	83.445	203.	228.	312.	375.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	369	470.	488.279	650.	383.	3977.696	63.069	425.	440.	547.5	592.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	369	6.1	6.087	21.	0.	23.334	4.831	0.	1.65	9.85	12.
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	369	7.9	7.97	9.1	7.	0.24	0.49	7.4	7.5	8.35	8.7
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	369	7.9	7.734	9.1	7.	0.296	0.544	7.4	7.5	8.35	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	369	0.013	0.018	0.1	0.001	0.	0.019	0.002	0.004	0.032	0.04
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	82 ##	0.05	0.698	5.7	0.05	1.42	1.192	0.05	0.05	1.	2.75
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	82	0.9	1.262	5.8	0.05	1.579	1.256	0.2	0.5	1.4	3.09
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	72	0.052	0.094	0.657	0.005	0.016	0.125	0.021	0.033	0.104	0.177
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-10/24/87	352	45.	77.648	800.	15.	7753.901	88.056	25.	35.	75.	200.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	37	12.	14.892	40.	0.	149.544	12.229	1.8	5.	22.5	36.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	30	24.7	24.2	26.3	21.5	2.068	1.438	21.72	22.7	25.125	25.89
00074p	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	30	10.	6.243	12.	0.	21.925	4.682	0.	0.825	10.	10.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	30	165.5	164.867	186.	138.	241.43	15.538	141.2	154.75	181.25	185.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	30	411.	402.767	438.	355.	570.806	23.892	356.	399.	416.	428.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	30	7.35	7.357	16.3	0.	26.209	5.119	0.83	2.7	10.25	15.69
00400p	PH (STANDARD UNITS)	06/11/75-05/22/91	30	7.8	7.747	8.5	7.	0.25	0.5	7.1	7.2	8.1	8.5
00400p	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	30	7.8	7.504	8.5	7.	0.311	0.558	7.1	7.2	8.1	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	30	0.016	0.031	0.1	0.003	0.001	0.031	0.003	0.008	0.063	0.079

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Annual Analysis for 1991 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	66	14.	16.909	45.	0.	168.084	12.965	2.	6.	25.	40.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	63	15.6	16.106	24.5	9.1	15.881	3.985	11.24	13.5	18.2	22.96
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	31	239.	243.323	269.	208.	356.226	18.874	218.2	226.	264.	266.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	63	484.	508.365	637.	417.	3385.332	58.184	448.	466.	548.	612.

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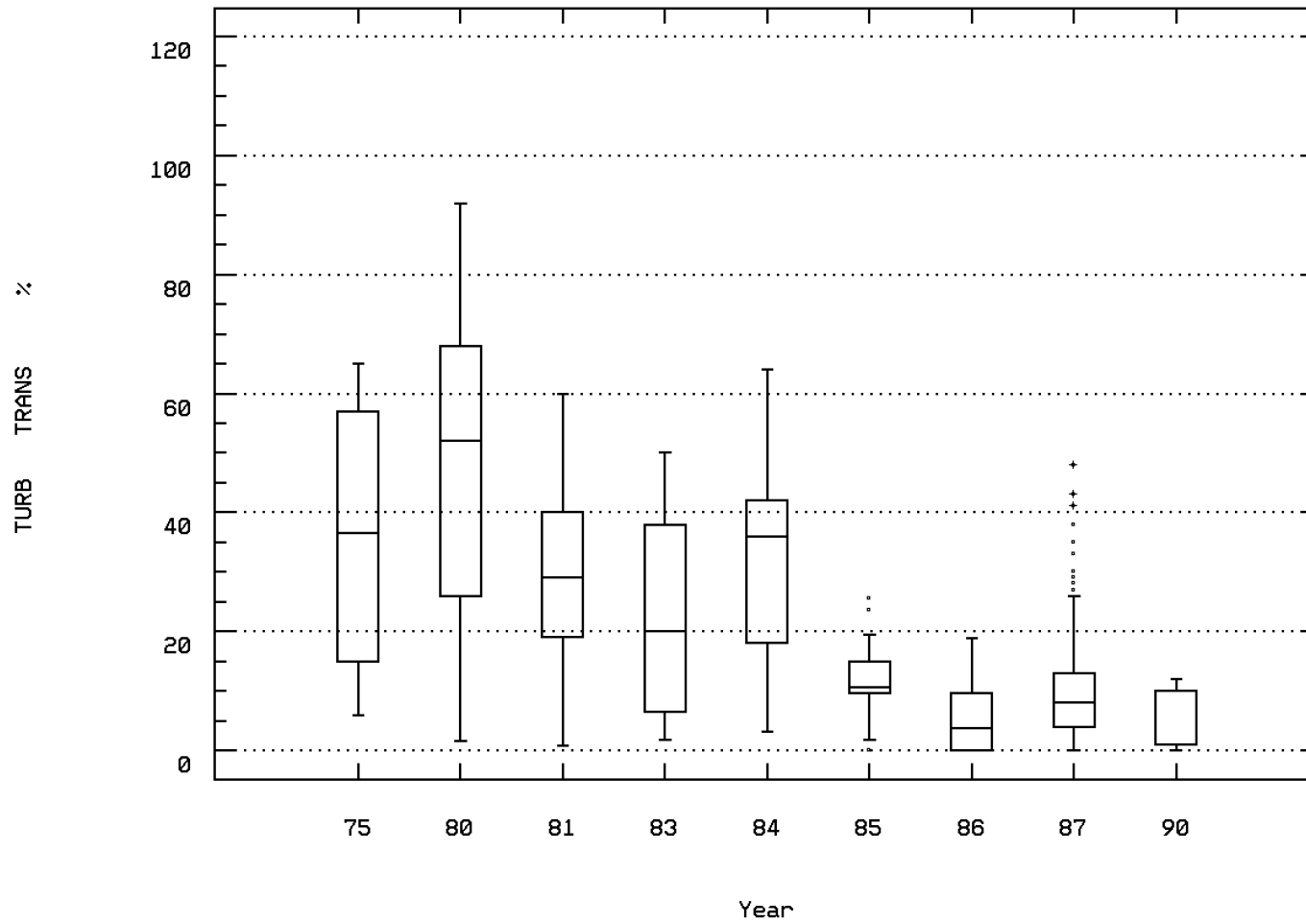
Annual Analysis for 1991 - Station HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	63	9.6	8.99	17.7	1.5	10.151	3.186	3.86	7.7	9.9	12.36
00400p PH (STANDARD UNITS)	06/11/75-05/22/91	63	7.8	7.986	8.9	7.5	0.198	0.445	7.54	7.6	8.3	8.7
00400p CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	63	7.8	7.825	8.9	7.5	0.224	0.473	7.54	7.6	8.3	8.7
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	63	0.016	0.015	0.032	0.001	0.	0.01	0.002	0.005	0.025	0.029

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Station: HOCU0060 Parameter Code: 00074

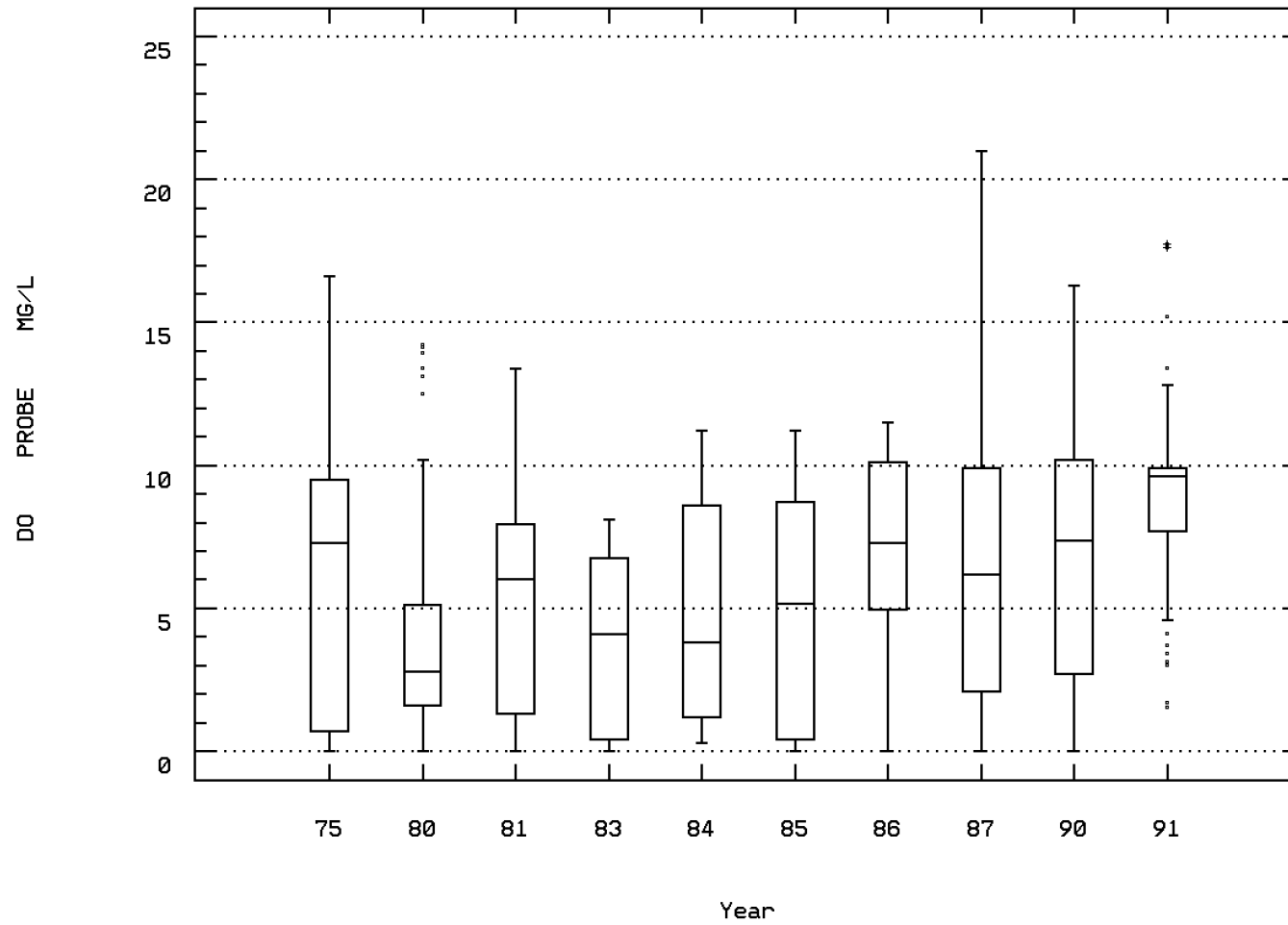
TURBIDITY, TRANSMISSOMETER, PERCENT TRA



PAINT CREEK RESERVOIR

Station: HOCU0060 Parameter Code: 00299

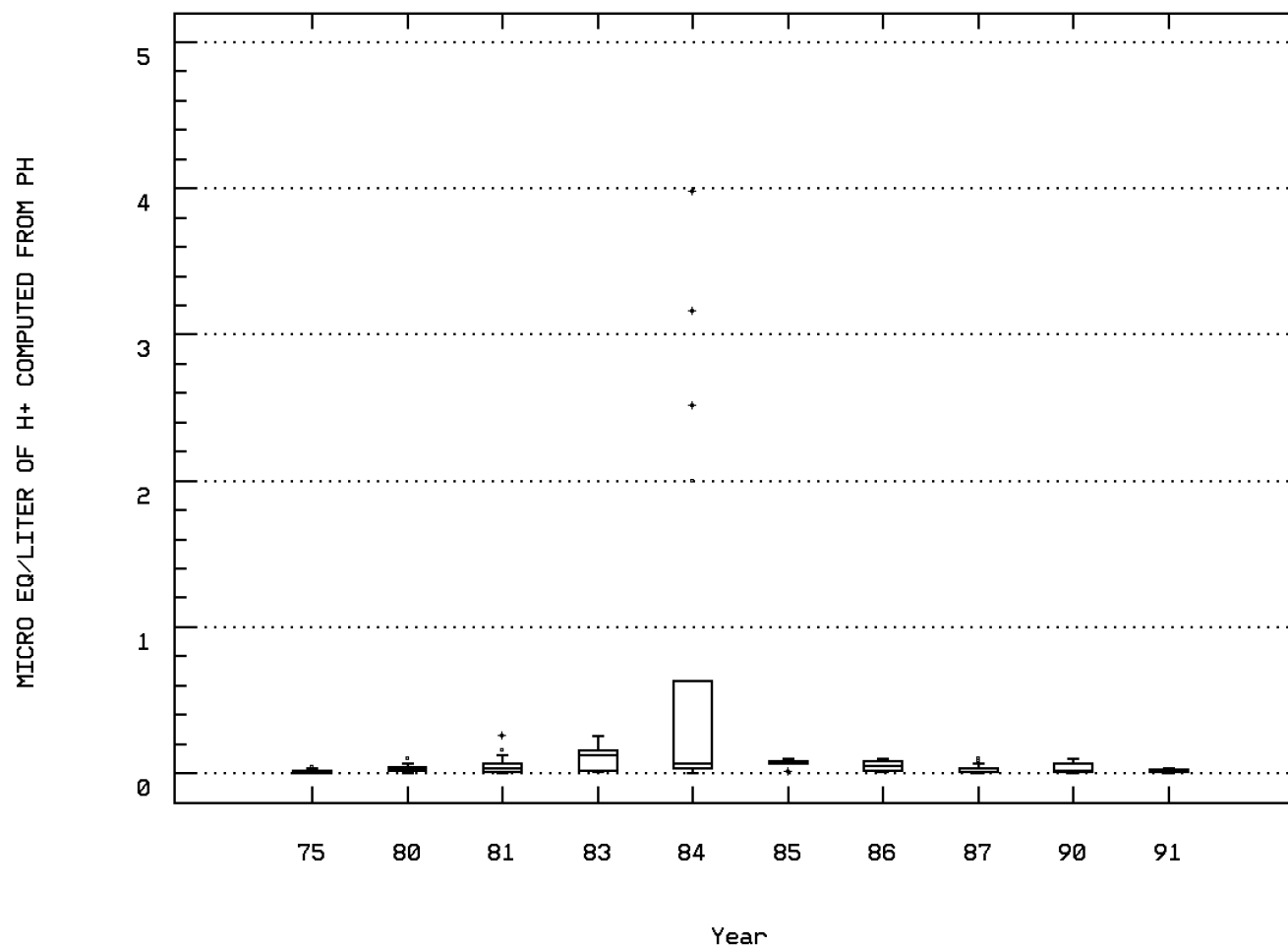
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



PAINT CREEK RESERVOIR

Station: HOCU0060 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



PAINT CREEK RESERVOIR

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0060

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	193	16.	16.145	40.	0.	124.5	11.158	2.	6.	25.	35.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	167	21.6	21.014	28.2	12.6	13.666	3.697	15.3	19.6	23.4	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/11/75-05/22/91	36	26.	21.861	31.	15.	29.78	5.457	15.	15.	26.	26.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	167	10.	13.275	64.	0.	200.603	14.163	1.	5.	14.	42.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/29/80-07/24/90	10	33.	30.5	38.	21.	29.833	5.462	21.3	26.25	33.75	37.8
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	92	249.	243.359	495.	-25.	8788.233	93.746	159.8	178.25	281.5	373.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	127	444.	448.819	619.	403.	721.816	26.867	429.	435.	459.	470.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	167	3.9	4.301	13.9	0.	10.56	3.25	0.	1.8	6.3	8.8
00400	PH (STANDARD UNITS)	06/11/75-05/22/91	167	7.4	7.282	8.9	5.4	0.652	0.808	5.6	7.	7.8	8.02
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	167	7.4	6.371	8.9	5.4	1.488	1.22	5.6	7.	7.8	8.02
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	167	0.04	0.426	3.981	0.001	1.098	1.048	0.01	0.016	0.1	2.512
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/29/80-05/22/91	15	158.	174.067	280.	88.	4823.638	69.452	88.6	103.	225.	276.4
00500	RESIDUE, TOTAL (MG/L)	05/24/83-07/24/90	15	320.	327.267	445.	270.	1802.21	42.452	270.6	310.	344.	396.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/24/83-07/24/90	15	304.	304.2	409.	258.	1261.743	35.521	265.2	280.	314.	361.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/24/83-07/24/90	15	20.	24.	53.	5.	266.286	16.318	5.	5.	36.	52.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	30 ###	0.05	0.452	5.8	0.05	1.24	1.114	0.05	0.05	0.325	1.05
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	30	0.6	1.083	7.7	0.2	1.844	1.358	0.41	0.5	1.2	2.05
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/29/80-09/29/87	24	0.9	0.677	1.4	0.05	0.214	0.463	0.05	0.05	1.	1.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	27	0.035	0.038	0.169	0.005	0.001	0.038	0.005	0.005	0.054	0.077
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/25/80-07/24/90	15	210.	209.867	246.	176.	530.267	23.028	176.	189.	223.	244.2
00916	CALCIUM, TOTAL (MG/L AS Ca)	05/29/80-07/24/90	15	42.	40.	46.	31.	24.857	4.986	31.	36.	44.	45.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/29/80-07/24/90	15	26.	26.733	33.	23.	10.781	3.283	23.6	24.	27.	33.
00929	SODIUM, TOTAL (MG/L AS Na)	05/29/80-07/24/90	15	8.	8.333	13.	5.	5.952	2.44	5.	7.	10.	11.8
00937	POTASSIUM, TOTAL MG/L AS K)	05/29/80-07/24/90	12	3.	3.417	5.	3.	0.629	0.793	3.	3.	3.75	5.
00940	CHLORIDE, TOTAL IN WATER MG/L	05/29/80-05/22/91	15	26.	24.8	35.	14.	52.6	7.253	14.	20.	30.	33.8
00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-07/24/90	15	38.	37.067	44.	19.	32.067	5.663	28.	37.	41.	42.2
01045	IRON, TOTAL (UG/L AS FE)	05/29/80-09/23/87	15	300.	726.667	4400.	100.	1233523.81	1110.641	100.	200.	800.	2900.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-09/23/87	15	90.	335.333	3120.	20.	623526.667	789.637	20.	30.	180.	1662.
01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-09/23/87	15 ###	25.	186.667	2120.	25.	292188.095	540.544	25.	25.	25.	1046.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	28	26.875	31.375	84.86	7.4	323.687	17.991	8.649	18.36	45.238	55.22
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	27	19.83	24.224	77.46	1.92	323.435	17.984	4.038	11.07	39.04	50.12
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	27	1.7	2.367	12.06	0.5	5.992	2.448	0.5	1.08	2.29	6.492
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	27	10.47	11.417	28.5	5.59	24.232	4.923	5.726	8.42	13.98	16.182
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	05/29/80-05/22/91	27	1.4	1.407	1.6	1.1	0.021	0.147	1.2	1.3	1.5	1.6
82537	TURBIDITY, FORWARD SCATTER JTU	04/28/81-10/24/87	151	75.	154.352	600.	20.	33335.191	182.579	30.	36.	150.	496.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	49	12.	13.612	35.	0.	104.701	10.232	0.	4.	21.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	40	12.3	10.475	15.8	5.1	11.828	3.439	5.61	6.4	12.475	14.42
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/11/75-05/22/91	14	3.	4.286	21.	3.	23.143	4.811	3.	3.	3.	12.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-07/24/90	8	14.5	29.188	100.	0.5	1225.996	35.014	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	26	0.	1.581	3.9	0.	3.549	1.884	0.	0.	3.725	3.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/29/80-07/24/90	2	20.	20.	29.	11.	162.	12.728	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	40	551.	550.7	780.	482.	5165.241	71.87	483.	484.	560.	656.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	40	7.95	9.623	16.6	7.1	7.453	2.73	7.3	7.4	11.	13.75
00400	PH (STANDARD UNITS)	06/11/75-05/22/91	40	7.8	7.765	8.7	7.3	0.158	0.397	7.3	7.325	7.9	8.47
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	40	7.8	7.624	8.7	7.3	0.178	0.422	7.3	7.325	7.9	8.47
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	40	0.016	0.024	0.05	0.002	0.	0.017	0.003	0.013	0.048	0.05
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/29/80-05/22/91	6	94.	96.333	110.	88.	59.867	7.737	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/24/83-07/24/90	6	416.	404.167	449.	337.	2032.967	45.088	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/24/83-07/24/90	6	317.	320.333	348.	299.	334.267	18.283	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/24/83-07/24/90	6	85.5	83.833	128.	18.	1877.767	43.333	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	6 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	6	0.7	0.783	1.3	0.6	0.07	0.264	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/29/80-09/29/87	6	6.55	4.575	7.1	0.05	11.944	3.456	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	6##	0.009	0.011	0.019	0.005	0.	0.006	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/25/80-07/24/90	6	220.5	220.333	229.	214.	33.867	5.82	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	05/29/80-07/24/90	6	47.	47.	52.	43.	16.8	4.099	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/29/80-07/24/90	6	25.	25.	27.	23.	2.4	1.549	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS Na)	05/29/80-07/24/90	6	9.	8.5	11.	5.	7.9	2.811	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/29/80-07/24/90	6##	5.	5.	5.	5.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/29/80-05/22/91	6	29.	29.5	32.	28.	1.9	1.378	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-07/24/90	6	39.	38.833	42.	36.	7.767	2.787	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/29/80-09/23/87	6	1400.	1800.	4300.	400.	2376000.	1541.428	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-09/23/87	6	65.	70.	110.	40.	680.	26.077	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-09/23/87	6##	25.	25.	25.	25.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	3	27.59	21.23	27.74	8.36	124.233	11.146	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	3	16.68	13.53	18.39	5.52	48.851	6.989	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	3	1.27	1.27	2.04	0.5	0.593	0.77	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	3	14.54	12.027	17.09	4.45	44.68	6.684	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	05/29/80-05/22/91	3	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	04/28/81-10/24/87	26	120.	146.538	560.	45.	17127.538	130.872	45.	45.	180.	372.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-05/22/91	875	16.	16.805	45.	0.	149.828	12.24	2.	6.	26.	35.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-05/22/91	742	22.2	20.679	30.8	4.1	31.642	5.625	12.3	16.475	25.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/11/75-05/22/91	38	26.	26.158	35.	9.	44.299	6.656	14.9	21.75	32.	35.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-07/24/90	82	3.45	14.389	100.	0.	452.8	21.279	0.	0.5	21.25	47.1
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-07/24/90	603	13.	19.964	92.	0.	368.069	19.185	1.3	5.	31.	49.6
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/29/80-07/24/90	38	28.5	30.658	70.	3.	156.718	12.519	15.8	24.	36.	45.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/28/81-05/22/91	476	246.5	260.038	523.	-103.	9467.763	97.302	151.7	192.25	315.25	398.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/75-05/22/91	433	485.	495.379	650.	355.	4451.217	66.717	412.	442.5	553.	593.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-05/22/91	740	6.2	5.933	21.	0.	20.898	4.571	0.	1.6	9.5	11.79
00400	PH (STANDARD UNITS)	06/11/75-05/22/91	707	7.7	7.767	9.1	6.2	0.314	0.561	7.1	7.4	8.2	8.6
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-05/22/91	707	7.7	7.429	9.1	6.2	0.429	0.655	7.1	7.4	8.2	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-05/22/91	707	0.02	0.037	0.631	0.001	0.004	0.065	0.003	0.006	0.04	0.079
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	05/29/80-05/22/91	45	185.	191.156	579.	60.	5682.407	75.382	124.	157.5	220.	242.8
00500	RESIDUE, TOTAL (MG/L)	05/24/83-07/24/90	40	342.5	349.2	510.	100.	8266.01	90.918	192.	307.	405.5	482.1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/24/83-07/24/90	39	327.	325.077	478.	71.	7817.704	88.418	150.	290.	395.	423.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/24/83-07/24/90	40	14.	29.438	375.	0.5	3682.272	60.682	5.	5.	29.75	79.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-09/29/87	91 ##	0.05	0.698	5.7	0.05	1.6	1.265	0.05	0.05	0.7	2.9
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-09/29/87	91	0.9	1.284	5.8	0.05	1.713	1.309	0.05	0.5	1.4	3.62
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/29/80-09/29/87	73	5.	4.385	9.5	0.05	6.327	2.515	0.24	2.25	6.25	7.48
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-09/29/87	81	0.04	0.083	0.657	0.005	0.015	0.122	0.005	0.02	0.101	0.156
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/25/80-07/24/90	39	232.	227.519	330.	0.25	2718.159	52.136	176.	206.	254.	277.
00916	CALCIUM, TOTAL (MG/L AS Ca)	05/29/80-07/24/90	40	50.	49.92	73.	0.5	148.369	12.181	37.05	45.05	56.5	62.6
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/29/80-07/24/90	40	27.5	25.143	36.	0.5	49.696	7.05	11.81	23.	29.8	30.
00929	SODIUM, TOTAL (MG/L AS Na)	05/29/80-07/24/90	40	6.5	6.087	9.8	0.5	4.085	2.021	3.	5.	8.	8.
00937	POTASSIUM, TOTAL MG/L AS K)	05/29/80-07/24/90	27	2.	2.622	6.	0.5	2.482	1.575	0.5	2.	3.	6.
00940	CHLORIDE, TOTAL IN WATER MG/L	05/29/80-05/22/91	49	23.	22.041	30.	1.	38.165	6.178	15.	17.5	27.	29.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-07/24/90	43	39.	36.174	75.	2.5	226.999	15.066	16.4	26.	43.	57.6
01045	IRON, TOTAL (UG/L AS FE)	05/29/80-09/23/87	37	200.	862.973	6200.	50.	2516060.36	1586.209	50.	50.	900.	3100.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-09/23/87	36	35.	329.167	2440.	5.	421252.143	649.039	5.	5.	227.5	1677.
01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-09/23/87	36 ##	25.	215.417	4210.	25.	661524.821	813.342	25.	25.	25.	35.5
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	95	30.03	30.848	112.24	3.02	468.734	21.65	5.488	14.02	44.	54.306
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	81	19.89	23.112	102.77	1.51	422.816	20.562	3.08	4.895	32.74	46.768

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-05/22/91	91	1.39	2.339	16.5	0.5	6.774	2.603	0.5	0.5	3.33	5.636
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-05/22/91	79	9.8	11.565	39.22	0.5	76.409	8.741	2.13	5.49	16.05	23.06
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	05/29/80-05/22/91	79	1.4	1.427	1.7	1.	0.024	0.156	1.2	1.3	1.6	1.6
82537	TURBIDITY, FORWARD SCATTER JTU	04/28/81-10/24/87	518	42.	70.564	800.	4.9	6415.757	80.098	20.	30.	70.	180.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0061

NPS Station ID: HOCU0061

Location: PAINT CK LAKE OH

Station Type: /TYP/AMBNT/LAKE

RMI-Indexes: 1021500 007720 13190 1110

RMI-Miles: 0953.80 0624.60 063.80 038.00

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003024

RF3 Index: 05060003002305.78

Description:
LOCATED ON PAINT CK LAKE AT THE PROPOSED PLUM RUN BEACH. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694 BAINBRIDGE OH QUAD.
HIGHLAND COUNTY

LAT/LON: 39.239004/ -83.368726

Depth of Water: 5

Elevation: 0

RF1 Mile Point: 2.880

RF3 Mile Point: 6.56

Agency: 11COEHUN

FIPS State/County: 39071 OHIO/HIGHLAND

STORET Station ID(s): 1PCSW0022

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.02

Date Created: 12/06/80

On/Off RF1: ON

On/Off RF3:

Parameter Inventory for Station: HOCU0061

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	08/25/80-09/17/80	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-09/17/80	6	26.5	25.917	27.5	23.	2.842	1.686	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/25/80-09/17/80	6	475.	525.167	1200.	100.	199580.167	446.744	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,	08/25/80-09/17/80	6	2.622	2.538	3.079	2.	0.223	0.472	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			345.36								
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/80-09/17/80	6	425.	371.667	750.	30.	64416.667	253.804	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/80-09/17/80	6	2.628	2.406	2.875	1.477	0.259	0.509	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			254.757								
31679 FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	08/25/80-09/17/80	6 ##	27.	109.333	500.	1.	38217.867	195.494	**	**	**	**
31679 LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C,	08/25/80-09/17/80	6 ##	0.862	1.071	2.699	0.	1.476	1.215	**	**	**	**
31679 GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	GEOMETRIC MEAN =			11.764								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0061

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	1	0.17	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	4	0.67	5	0	0.00				1	1	1.00			
						5	4	0.80				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0062

NPS Station ID: HOCU0062
 Location: PAINT CREEK RESERVOIR OH
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 038.50
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003024
 RF3 Index: 05060002002300.39
 Description:
 LOCATED IN PAINT CR LAKE ABOUT 2MI ABOVE DAM, BAINBRIDGE OHIO QUAD. ARMY SAMPLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
 ROSS COUNTY

LAT/LON: 39.248615/ -83.373948

Depth of Water: 5
 Elevation: 0

RF1 Mile Point: 3.370
 RF3 Mile Point: 1.54

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): IPCSW0010
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.07

Date Created: 05/19/76

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: HOCU0062

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	08/19/74-08/26/81	179	14.	14.525	36.	0.	109.374	10.458	1.	5.	24.	30.
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/80-08/26/81	155	22.9	21.58	28.2	11.2	17.434	4.175	14.72	19.3	24.5	26.2
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/80-08/26/81	5	29.	29.8	32.	28.	4.2	2.049	**	**	**	**
00031 LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	08/19/74-07/29/81	50	2.7	11.256	58.	0.	265.166	16.284	0.01	0.3	17.	41.8
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/19/74-08/26/81	117	22.	29.347	96.	0.4	609.089	24.68	1.58	8.8	44.	68.
00076 TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/30/80-07/30/80	15	46.	48.4	93.	14.	942.829	30.706	15.2	18.	80.	90.6
00077 TRANSPARENCY, SECCHI DISC (INCHES)	05/29/80-08/26/81	8	22.	21.875	41.	3.	126.411	11.243	**	**	**	**
00090 OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/29/81-07/29/81	67	192.	218.284	370.	108.	6900.449	83.069	134.4	154.	337.	355.2
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/29/80-08/26/81	155	551.	548.51	703.	356.	5028.615	70.913	451.2	494.	607.	632.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-08/19/74	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/29/80-08/26/81	152	4.9	5.482	15.5	0.	13.028	3.609	0.96	2.75	7.15	10.84
00400 PH (STANDARD UNITS)	05/29/80-08/26/81	155	7.6	7.663	8.8	6.9	0.136	0.369	7.2	7.4	7.8	8.2
00400 CONVERTED PH (STANDARD UNITS)	05/29/80-08/26/81	155	7.6	7.532	8.8	6.9	0.153	0.392	7.2	7.4	7.8	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/80-08/26/81	155	0.025	0.029	0.126	0.002	0.001	0.023	0.006	0.016	0.04	0.063
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	08/19/74-06/25/80	3	120.	95.	155.	10.	5725.	75.664	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/80-08/27/80	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/80-08/27/80	3	1.1	1.067	1.1	1.	0.003	0.058	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	05/29/80-08/27/80	3	6.2	4.867	7.2	1.2	10.333	3.215	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/29/80-08/27/80	3	0.07	0.083	0.11	0.07	0.001	0.023	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/29/80-08/27/80	3	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	05/29/80-08/27/80	3	258.	247.667	296.	189.	2942.333	54.243	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	05/29/80-08/27/80	3	54.	53.1	68.6	36.7	255.01	15.969	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	05/29/80-08/27/80	3	30.	28.033	30.4	23.7	14.123	3.758	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	05/29/80-08/27/80	3	4.3	4.543	7.	2.33	5.497	2.344	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	05/29/80-08/27/80	3	1.9	2.437	3.6	1.81	1.017	1.008	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	05/29/80-08/27/80	3	19.	18.333	22.	14.	16.333	4.041	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/29/80-08/27/80	3	32.	36.667	47.	31.	80.333	8.963	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	05/29/80-06/25/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/29/80-06/25/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	05/29/80-06/25/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/29/80-06/25/80	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/29/80-08/27/80	3 ##	50.	170.	410.	50.	43200.	207.846	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	05/29/80-08/27/80	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0062

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-08/27/80	3	40.	31.667	50.	5.	558.333	23.629	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/29/80-08/27/80	3	20.	21.667	40.	5.	308.333	17.559	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/29/80-08/27/80	3 ##	25.	25.	25.	25.	0.	0.	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-08/27/80	3 ##	25.	42.	76.	25.	867.	29.445	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-08/27/80	5	39.09	34.172	41.9	19.76	83.667	9.147	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-08/27/80	4	23.	24.87	39.72	13.76	128.911	11.354	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-08/27/80	5	3.9	3.76	9.76	0.5	14.355	3.789	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-08/27/80	4	6.82	12.21	31.87	3.33	177.131	13.309	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/29/80-08/27/80	2	1.6	1.6	1.6	1.6	0.	0.	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/27/80-08/27/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/27/80-08/27/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-07/29/81	25	0.1	0.432	2.	0.	0.402	0.634	0.	0.05	0.45
82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-08/26/81	81	45.	63.58	280.	5.	3441.097	58.661	15.	20.	72.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0062

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	15	7	0.47						15	7	0.47			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	152	61	0.40						152	61	0.40			
00400	PH	Fresh Chronic	9.	155	0	0.00						155	0	0.00			
		Other-Lo Lim.	6.5	155	0	0.00						155	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00						3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00						3	0	0.00			
		Drinking Water	250.	3	0	0.00						3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00						3	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00						2	0	0.00			
		Drinking Water	5.	2	0	0.00						2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00						2	0	0.00			
		Drinking Water	5.	2	0	0.00						2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00						2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00						2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	0	0.00						3	0	0.00			
		Drinking Water	5000.	3	0	0.00						3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00						3	0	0.00			
		Drinking Water	5000.	3	0	0.00						3	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00						1	0	0.00			
		Drinking Water	2.	1	0	0.00						1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00						1	0	0.00			
		Drinking Water	2.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0063

NPS Station ID: HOCU0063
 Location: Paint Creek Lake, Middle Lake
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 039.50
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060003002401.59
 Description:
 LOCATED IN PAINT CR LAKE ABOUT ONE MILE BELOW RATTLESNAKE CR GREENFIELD OHIO QUAD. SAMPLED BY ARMY CORPS OF ENGRS HUNTINGTON WV 304-529-5694 ROS
 S COUNTY

LAT/LON: 39.253060/ -83.379449

Depth of Water: 80
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 3.48

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): IPCSW0016
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.12

Date Created: 05/19/76

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	784	13.5	14.302	56.	0.	104.819	10.238	2.	5.25	22.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	633	22.3	21.541	30.3	10.1	17.934	4.235	15.24	18.5	24.7	26.76
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	35	29.	27.571	37.	11.	37.782	6.147	16.	25.	31.	34.4
00031p	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	120	5.4	15.046	100.	0.	437.952	20.927	0.	0.75	23.	49.8
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	307	22.	27.123	99.	0.	489.607	22.127	2.46	7.4	42.	57.2
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/76-08/10/83	91	78.	107.538	296.	1.	7590.604	87.124	3.6	30.	186.	235.2
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/29/76-09/30/96	31	24.	25.161	66.	2.	168.673	12.987	4.8	18.	34.	40.8
00090p	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	468	309.5	306.62	510.	-12.	14913.859	122.122	127.	239.	404.	452.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-09/11/84	285	540.	525.116	683.	352.	5544.603	74.462	412.	467.5	586.	618.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	347	468.	483.17	697.	234.	7510.656	86.664	397.6	423.	552.	610.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	633	4.9	5.258	18.4	0.	17.561	4.191	0.1	1.8	7.3	11.26
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	619	7.6	7.659	9.9	5.8	0.354	0.595	7.	7.3	7.9	8.6
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	619	7.6	7.223	9.9	5.8	0.544	0.738	7.	7.3	7.9	8.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	619	0.025	0.06	1.585	0.	0.029	0.171	0.003	0.013	0.05	0.1
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	79	164.	179.886	463.	96.	3419.718	58.478	124.	144.	208.	269.
00495	MOISTURE CONTENT (PERCENT OF TOTAL DRY WEIGHT)	10/29/96-10/29/96	1	60.	60.	60.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	62	311.5	317.435	426.	190.	3609.627	60.08	242.8	268.	370.	394.7
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/23/76-10/14/76	15	133.	131.133	174.	96.	404.124	20.103	97.2	119.	142.	160.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/23/83-09/18/96	46	254.	266.5	402.	168.	2893.544	53.792	207.4	233.5	304.	350.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	62	14.	29.089	234.	2.	1949.758	44.156	5.	7.	29.25	63.7
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/30/96-09/18/96	24	0.085	0.198	0.59	0.01	0.034	0.185	0.01	0.04	0.383	0.44
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	91	0.1	0.384	3.3	0.01	0.425	0.652	0.05	0.05	0.4	1.1
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	05/30/96-09/18/96	21	0.12	0.36	0.91	0.01	0.113	0.337	0.022	0.05	0.735	0.77
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	88	0.8	1.131	7.5	0.01	1.676	1.294	0.147	0.6	1.1	1.918
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	79	3.	3.367	12.1	0.05	6.735	2.595	0.5	1.2	4.7	7.2
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/30/96-09/18/96	27	2.8	2.607	5.5	0.1	2.052	1.433	0.74	1.2	3.6	4.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	91	0.08	0.09	0.33	0.005	0.005	0.069	0.005	0.04	0.12	0.204
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	85	0.01	0.029	0.14	0.005	0.001	0.033	0.005	0.005	0.04	0.09
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/28/81-09/18/96	52	4.8	5.327	19.	2.	11.095	3.331	2.58	3.125	6.075	8.56
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/30/96-09/18/96	27	3.8	3.785	7.4	0.3	2.8	1.673	1.7	2.5	4.7	6.12
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	59	235.	232.186	339.	126.	2062.775	45.418	166.	208.	252.	301.
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	07/01/81-09/11/84	21	39.	40.476	74.	7.	271.562	16.479	10.2	35.	50.	61.6
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	63	47.	48.667	75.4	19.	191.065	13.823	32.16	38.9	58.5	73.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/29/96-10/29/96	1	33800.	33800.	33800.	33800.	0.	0.	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/29/96-10/29/96	1	10600.	10600.	10600.	10600.	0.	0.	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-09/11/84	21	23.	22.476	32.	15.	16.362	4.045	15.4	19.	24.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	62	26.75	27.968	45.	16.	40.34	6.351	21.06	24.	32.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/76-09/04/96	63	7.	7.525	16.	1.9	11.908	3.451	2.88	5.6	10.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-09/11/84	21	6.	6.	8.	3.	2.8	1.673	3.	6.	7.
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/29/96-10/29/96	1	178.	178.	178.	178.	0.	0.	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-09/11/84	21	3.	2.548	4.	0.5	1.248	1.117	1.	2.	3.5
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	63	3.	3.097	12.8	0.5	4.019	2.005	1.2	1.9	3.5
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/29/96-10/29/96	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/76-09/04/96	67	20.	18.	27.	1.	26.455	5.143	10.8	14.	21.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	67	42.	39.582	75.	14.	163.217	12.776	20.8	28.	47.
01002	ARSENIC, TOTAL (UG/L AS AS)	07/10/96-09/04/96	9 ##	1.	1.111	2.	1.	0.111	0.333	1.	1.	1.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/29/96-10/29/96	1	16.8	16.8	16.8	16.8	0.	0.	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/01/81-09/11/84	21	40.	29.881	53.	0.5	397.423	19.935	0.5	5.	50.
01007	BARIUM, TOTAL (UG/L AS BA)	07/01/81-09/11/84	21	50.	59.571	165.	25.	856.457	29.265	40.	40.	63.5
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/29/96-10/29/96	1	203.	203.	203.	203.	0.	0.	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/01/81-09/11/84	21 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/01/81-09/11/84	21 ##	0.5	7.214	71.	0.5	449.689	21.206	0.5	0.5	0.5
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	10/29/96-10/29/96	1 ##	0.03	0.03	0.03	0.03	0.	0.	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/30/80-07/01/81	17 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/80-09/04/96	25 ##	0.5	0.376	1.	0.1	0.054	0.233	0.1	0.1	0.5
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/96-10/29/96	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/96-10/29/96	1	30.8	30.8	30.8	30.8	0.	0.	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/76-07/01/81	32 ##	5.75	12.625	25.	0.5	141.79	11.908	0.5	0.5	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/76-09/04/96	40 ##	2.5	10.025	25.	0.5	138.448	11.766	0.5	0.5	25.
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	10/29/96-10/29/96	1	12.7	12.7	12.7	12.7	0.	0.	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/76-07/01/81	16 ##	25.	24.125	25.	11.	12.25	3.5	20.8	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	06/23/76-09/04/96	24 ##	25.	16.375	25.	2.	129.375	11.374	2.	2.	25.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/29/96-10/29/96	1	30.	30.	30.	30.	0.	0.	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	81	453.	813.049	5100.	44.	1035576.073	1017.633	50.	185.	1050.
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	54 ##	50.	54.63	200.	50.	497.03	22.294	50.	50.	50.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/76-07/01/81	16 ##	25.	23.75	25.	5.	25.	5.	19.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	06/23/76-09/04/96	24 ##	25.	15.938	25.	0.5	143.072	11.961	0.5	0.5	25.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/29/96-10/29/96	1	37.3	37.3	37.3	37.3	0.	0.	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/29/96-10/29/96	1	733.	733.	733.	733.	0.	0.	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	81	50.	127.543	900.	5.	35340.526	187.991	6.	24.5	102.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	54 ##	10.	74.907	900.	5.	34267.444	185.115	5.	5.	21.25
01057	THALLIUM, DISSOLVED (UG/L AS TL)	07/01/81-07/01/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	07/01/81-07/01/81	1 ##	50.	50.	50.	50.	0.	0.	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/81-07/01/81	1	39.	39.	39.	39.	0.	0.	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/10/96-09/04/96	9 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/96-10/29/96	1	29.8	29.8	29.8	29.8	0.	0.	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	10/29/96-10/29/96	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	10/29/96-10/29/96	1	56.8	56.8	56.8	56.8	0.	0.	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	51 ##	25.	35.098	190.	25.	615.49	24.809	25.	25.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	60 ##	25.	78.508	1940.	2.5	62810.877	250.621	11.3	25.	50.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/29/96-10/29/96	1	128.	128.	128.	128.	0.	0.	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/01/81-09/11/84	21 ##	50.	52.381	100.	50.	119.048	10.911	50.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/01/81-09/11/84	21 ##	50.	88.095	200.	50.	4226.19	65.009	50.	50.	150.
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	10/29/96-10/29/96	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	45	370.	656.222	2810.	25.	486157.54	697.25	173.6	250.	757.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/23/76-09/11/84	36 ##	195.	162.083	350.	25.	10006.25	100.031	25.	60.	250.
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/29/96-10/29/96	1	33500.	33500.	33500.	33500.	0.	0.	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/29/96-10/29/96	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/29/96-10/29/96	1	44300.	44300.	44300.	44300.	0.	0.	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	133	28.99	33.887	123.58	1.97	671.069	25.905	5.74	12.83	47.23
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	124	20.5	28.483	116.3	0.5	631.988	25.139	3.2	10.198	39.298
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	112	2.045	3.314	22.82	0.5	16.861	4.106	0.5	0.5	3.91
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	123	6.95	9.403	55.78	0.5	80.803	8.989	2.72	4.72	10.41
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO.BEFORE/AFTER ACID	04/30/80-09/30/96	122	1.5	1.457	1.7	1.	0.027	0.165	1.2	1.3	1.6
34203	ACENAPHTHYLENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	173.	173.	173.	173.	0.	0.	**	**	**
34208	ACENAPHTHENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	184.	184.	184.	184.	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34223	ANTHRACENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	148.	148.	148.	148.	0.	0.	**	**	**	**
34233	BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	1	118.	118.	118.	118.	0.	0.	**	**	**	**
34245	BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	10/29/96-10/29/96	1	106.	106.	106.	106.	0.	0.	**	**	**	**
34250	BENZO-A-PYRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	126.	126.	126.	126.	0.	0.	**	**	**	**
34257	B-BHC-BETA DRY WGTBOTUG/KG	10/29/96-10/29/96	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
34262	DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34276	BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	1	407.	407.	407.	407.	0.	0.	**	**	**	**
34281	BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	196.	196.	196.	196.	0.	0.	**	**	**	**
34286	BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	1	119.	119.	119.	119.	0.	0.	**	**	**	**
34295	N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	1	119.	119.	119.	119.	0.	0.	**	**	**	**
34323	CHRYSENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	69.	69.	69.	69.	0.	0.	**	**	**	**
34339	DIETHYL PHTHALATE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	216.	216.	216.	216.	0.	0.	**	**	**	**
34344	DIMETHYL PHTHALATE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	184.	184.	184.	184.	0.	0.	**	**	**	**
34349	1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	180.	180.	180.	180.	0.	0.	**	**	**	**
34354	ENDOSULFAN SULFATE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34359	ENDOSULFAN, BETA DRY WGTBOTUG/KG	10/29/96-10/29/96	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
34364	ENDOSULFAN, ALPHA DRY WGTBOTUG/KG	10/29/96-10/29/96	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
34369	ENDRIN ALDEHYDE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
34379	FLUORANTHENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	181.	181.	181.	181.	0.	0.	**	**	**	**
34384	FLUORENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	203.	203.	203.	203.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	219.	219.	219.	219.	0.	0.	**	**	**	**
34394	HEXACHLOROBUTADIENE BOTUG/KG	10/29/96-10/29/96	1	176.	176.	176.	176.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	96.	96.	96.	96.	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	364.	364.	364.	364.	0.	0.	**	**	**	**
34411	ISOPHORONE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	185.	185.	185.	185.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	135.	135.	135.	135.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	172.	172.	172.	172.	0.	0.	**	**	**	**
34441	N-NITROSODIMETHYLAMINE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	166.	166.	166.	166.	0.	0.	**	**	**	**
34445	NAPHTHALENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	208.	208.	208.	208.	0.	0.	**	**	**	**
34450	NITROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	160.	160.	160.	160.	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	244.	244.	244.	244.	0.	0.	**	**	**	**
34464	PHENANTHRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	157.	157.	157.	157.	0.	0.	**	**	**	**
34472	PYRENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	160.	160.	160.	160.	0.	0.	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	10/29/96-10/29/96	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
34524	BENZO(GH)PERYLENEI,12-BENZOPERYLENDRY WGTBOTUG/KG	10/29/96-10/29/96	1	166.	166.	166.	166.	0.	0.	**	**	**	**
34529	BENZO(A)ANTHRACENEI,2-BENZANTHRACENDRY WGTBOTUG/KG	10/29/96-10/29/96	1	76.	76.	76.	76.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	125.	125.	125.	125.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	191.	191.	191.	191.	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	127.	127.	127.	127.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	108.	108.	108.	108.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	119.	119.	119.	119.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	167.	167.	167.	167.	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	168.	168.	168.	168.	0.	0.	**	**	**	**
34594	2-NITROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	258.	258.	258.	258.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	97.	97.	97.	97.	0.	0.	**	**	**	**
34604	2,4-DICHLOROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	256.	256.	256.	256.	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	361.	361.	361.	361.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	231.	231.	231.	231.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	98.	98.	98.	98.	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	189.	189.	189.	189.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	249.	249.	249.	249.	0.	0.	**	**	**	**
34634	3,3'-DICHLOROBENZIDINE DRY WGTBOTUG/KG	10/29/96-10/29/96	1	115.	115.	115.	115.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	1	209.	209.	209.	209.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER DRY WGTBOTUG/KG	10/29/96-10/29/96	1	213.	213.	213.	213.	0.	0.	**	**	**	**
34649	4-NITROPHENOL DRY WGTBOTUG/KG	10/29/96-10/29/96	1	582.	582.	582.	582.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL) DRY WGTBOTUG/KG	10/29/96-10/29/96	1	188.	188.	188.	188.	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND DRY WGTUG/KG	10/29/96-10/29/96	1	132.	132.	132.	132.	0.	0.	**	**	**	**
38435	DALAPON SEDDRYWGTUG/KG	10/29/96-10/29/96	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
38444	DICAMBA (BANVEL) SEDDRYWGTUG/KG	10/29/96-10/29/96	1 ##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
38452	DICHLORPROP SEDDRYWGTUG/KG	10/29/96-10/29/96	1 ##	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
38484	MCPA SEDDRYWGTUG/KG	10/29/96-10/29/96	1 ##	26.45	26.45	26.45	26.45	0.	0.	**	**	**	**
38494	MCPP SEDDRYWGTUG/KG	10/29/96-10/29/96	1 ##	29.3	29.3	29.3	29.3	0.	0.	**	**	**	**
38748	2,4-DB SEDDRYWGTUG/KG	10/29/96-10/29/96	1 ##	3.65	3.65	3.65	3.65	0.	0.	**	**	**	**

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Parameter Inventory for Station: HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
38781	DINOSEB SEDDRYWG/TG/KG	10/29/96-10/29/96	1 ##	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/29/96-10/29/96	1	130.	130.	130.	130.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	10/29/96-10/29/96	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG	10/29/96-10/29/96	1	91.	91.	91.	91.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	1	244.	244.	244.	244.	0.	0.	**	**	**	**
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS	10/29/96-10/29/96	1	243.	243.	243.	243.	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/96-10/29/96	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/29/96-10/29/96	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/96-10/29/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/96-10/29/96	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/96-10/29/96	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/29/96-10/29/96	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/29/96-10/29/96	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/29/96-10/29/96	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
39491	PCB - 1221 BOT. DEP.,PCB SERIES DRY SOL UG/KG	10/29/96-10/29/96	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39495	PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	10/29/96-10/29/96	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	10/29/96-10/29/96	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
39503	PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	10/29/96-10/29/96	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	10/29/96-10/29/96	1	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**
39511	PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	10/29/96-10/29/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
39514	PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	10/29/96-10/29/96	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39701	HEXACHLORO BENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	1	161.	161.	161.	161.	0.	0.	**	**	**	**
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	1 ##	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	1 ##	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/29/96-10/29/96	1 ##	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/23/76-08/27/80	17	1.9	2.041	4.5	0.5	2.118	1.455	0.5	0.5	3.45	4.26
71900	MERCURY, TOTAL (UG/L AS HG)	06/23/76-08/27/80	16	2.6	2.431	4.4	0.5	2.124	1.457	0.5	0.775	3.825	4.26
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/29/96-10/29/96	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
78362	O-XYLENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78365	BENZENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78366	CARBON TETRACHLORIDE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78367	CHLOROBENZENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78368	1,2-DICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78369	1,1,1-TRICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78370	1,1-DICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78371	1,1,2,2-TETRACHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78372	CHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78373	2-CHLOROETHYL VINYL ETHER SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78374	CHLOROFORM SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78375	1,1-DICHLOROETHENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78376	TRANS-1,2-DICHLOROETHENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78377	1,2-DICHLOROPROPANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78378	TRANS-1,3-DICHLOROPROPENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78379	CIS-1,3-DICHLOROPROPENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78380	ETHYLBENZENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78381	METHYLENE CHLORIDE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78382	CHLOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78383	BROMOMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78384	BROMOFORM SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78385	BROMODICHLOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78386	TRICHLOROFLUOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78387	DICHLORODIFLUOROMETHANE SEDWETWTMG/K	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78388	DIBROMOCHLOROMETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78389	TETRACHLOROETHENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78390	TOLUENE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78391	TRICHLOROETHENE SEDWETWTMG/K	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78392	VINYL CHLORIDE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78393	1,1,2-TRICHLOROETHANE SEDWETWTMG/KG	10/29/96-10/29/96	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/30/96-09/30/96	143	45.	90.734	800.	13.	11904.098	109.106	22.	28.	125.	220.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82393 LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-08/10/83	21	0.1	0.476	2.7	0.	0.513	0.716	0.	0.	0.8	1.68
82537 TURBIDITY, FORWARD SCATTER JTU	04/29/81-05/12/86	223	60.	103.691	380.	15.	9260.323	96.231	20.	30.	160.	260.
85791 ENDRLN KETONE, SEDIMENT, DRY WT,(SF) UG/KG	10/29/96-10/29/96	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0063

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	91	60	0.66	41	34	0.83				50	26	0.52			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	633	270	0.43	156	55	0.35	11	0	0.00	466	215	0.46			
00400 PH	Fresh Chronic	9.	619	9	0.01	156	0	0.00	11	0	0.00	452	9	0.02			
	Other-Lo Lim.	6.5	619	17	0.03	156	14	0.09	11	0	0.00	452	3	0.01			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	79	1	0.01	16	0	0.00				63	1	0.02			
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	27	0	0.00	6	0	0.00				21	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	67	0	0.00	16	0	0.00				51	0	0.00			
	Drinking Water	250.	67	0	0.00	16	0	0.00				51	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	67	0	0.00	16	0	0.00				51	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	3	0	0.00				6	0	0.00			
	Drinking Water	50.	9	0	0.00	3	0	0.00				6	0	0.00			
01005 BARIUM, DISSOLVED	Drinking Water	2000.	21	0	0.00	6	0	0.00				15	0	0.00			
01007 BARIUM, TOTAL	Drinking Water	2000.	21	0	0.00	6	0	0.00				15	0	0.00			
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	21	0	0.00	6	0	0.00				15	0	0.00			
	Drinking Water	4.	21	0	0.00	6	0	0.00				15	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	21	0	0.00	6	0	0.00				15	0	0.00			
	Drinking Water	4.	21	2	0.10	6	0	0.00				15	2	0.13			
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	17	0	0.00							17	0	0.00			
	Drinking Water	5.	17	0	0.00							17	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	25	0	0.00	3	0	0.00				22	0	0.00			
	Drinking Water	5.	25	0	0.00	3	0	0.00				22	0	0.00			
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	32	0	0.00	7	0	0.00				25	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	40	0	0.00	10	0	0.00				30	0	0.00			
01040 COPPER, DISSOLVED	Fresh Acute	18.	1 &	0	0.00							1	0	0.00			
	Drinking Water	1300.	16	0	0.00	7	0	0.00				9	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	9 &	0	0.00	3	0	0.00				6	0	0.00			
	Drinking Water	1300.	24	0	0.00	10	0	0.00				14	0	0.00			
01049 LEAD, DISSOLVED	Fresh Acute	82.	16	0	0.00	7	0	0.00				9	0	0.00			
	Drinking Water	15.	1 &	0	0.00							1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	24	0	0.00	10	0	0.00				14	0	0.00			
	Drinking Water	15.	9 &	0	0.00	3	0	0.00				6	0	0.00			
01057 THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	2.	0 &	0	0.00												
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	2.	0 &	0	0.00												
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	3	0	0.00				6	0	0.00			
	Drinking Water	100.	9	0	0.00	3	0	0.00				6	0	0.00			
01090 ZINC, DISSOLVED	Fresh Acute	120.	51	1	0.02	13	1	0.08				38	0	0.00			
	Drinking Water	5000.	51	0	0.00	13	0	0.00				38	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	60	6	0.10	16	4	0.25				44	2	0.05			
	Drinking Water	5000.	60	0	0.00	16	0	0.00				44	0	0.00			
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	21	1	0.05	6	0	0.00				15	1	0.07			
	Drinking Water	6.	1 &	1	1.00							1	1	1.00			
01097 ANTIMONY, TOTAL	Fresh Acute	88.	21	6	0.29	6	3	0.50				15	3	0.20			
	Drinking Water	6.	6 &	6	1.00	3	3	1.00				3	3	1.00			
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	17	7	0.41	7	2	0.29				10	5	0.50			
	Drinking Water	2.	17	8	0.47	7	2	0.29				10	6	0.60			
71900 MERCURY, TOTAL	Fresh Acute	2.4	16	8	0.50	7	2	0.29				9	6	0.67			
	Drinking Water	2.	16	9	0.56	7	2	0.29				9	7	0.78			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

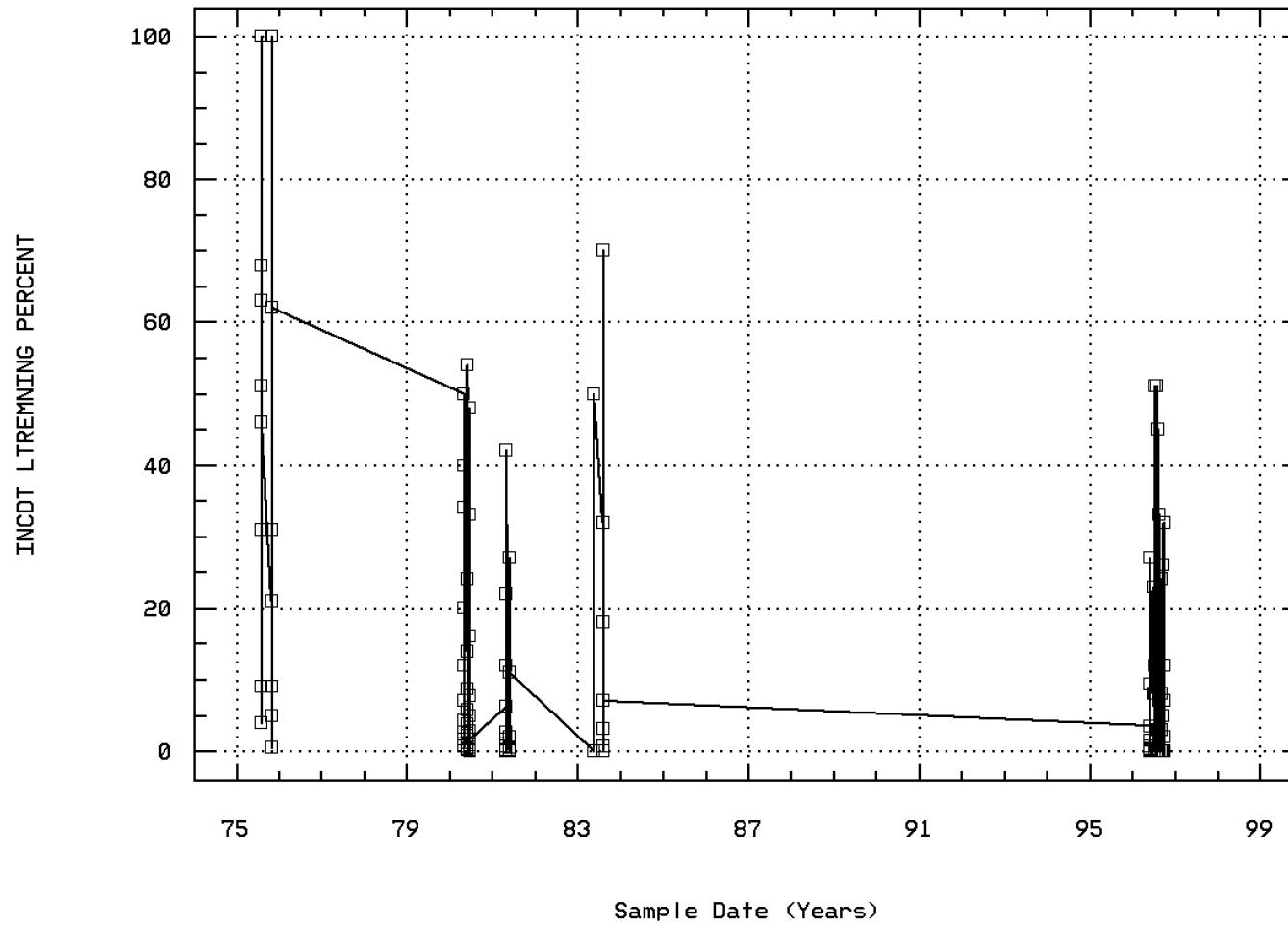
EPA Water Quality Criteria Analysis for Station: HOCU0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	143	66	0.46	49	20	0.41				94	46	0.49			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: HOCU0063 Parameter Code: 00031

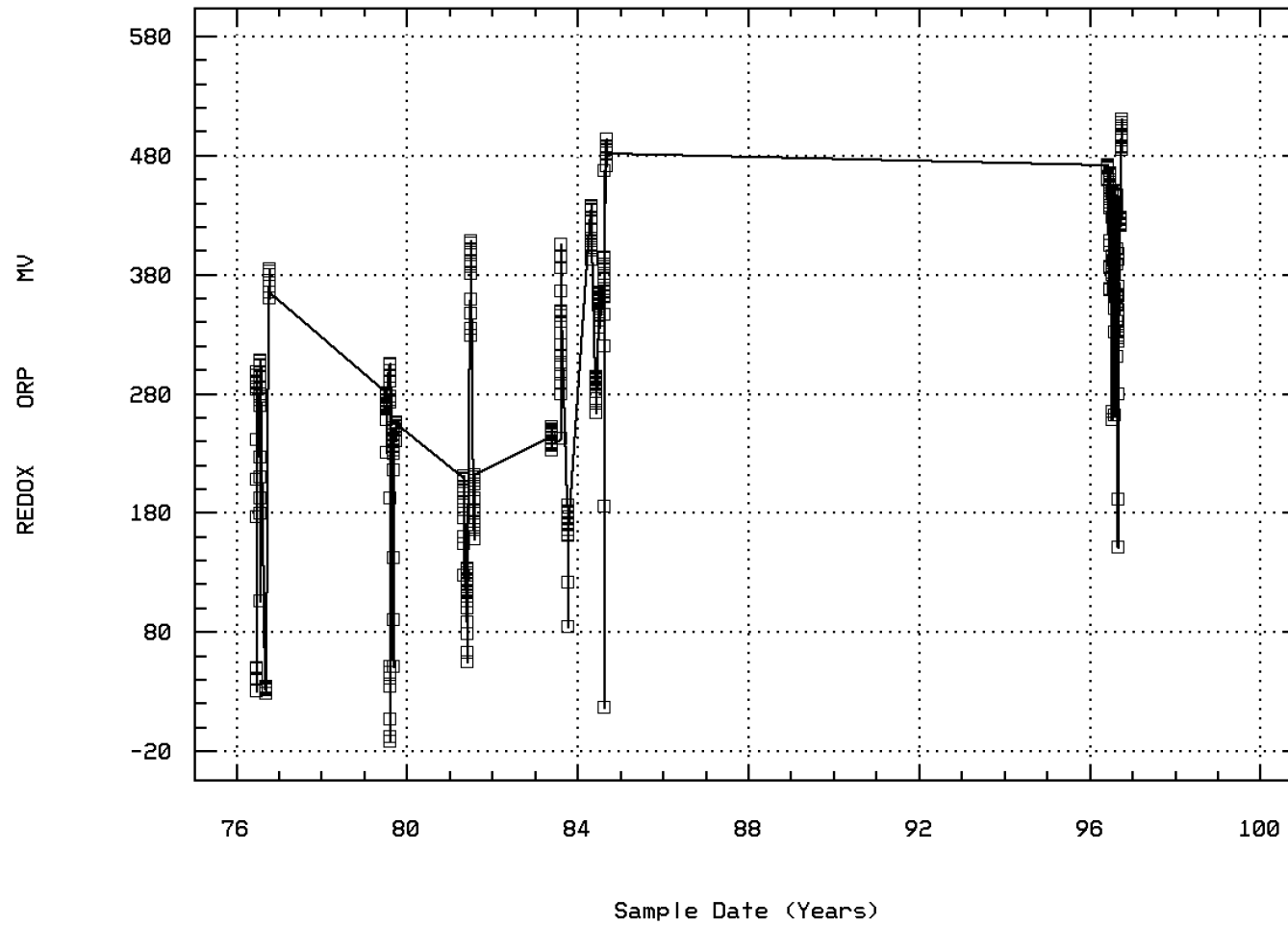
LIGHT, INCIDENT, PERCENT REMAING AT CERT



Paint Creek Lake, Middle Lake

Station: HOCU0063 Parameter Code: 00090

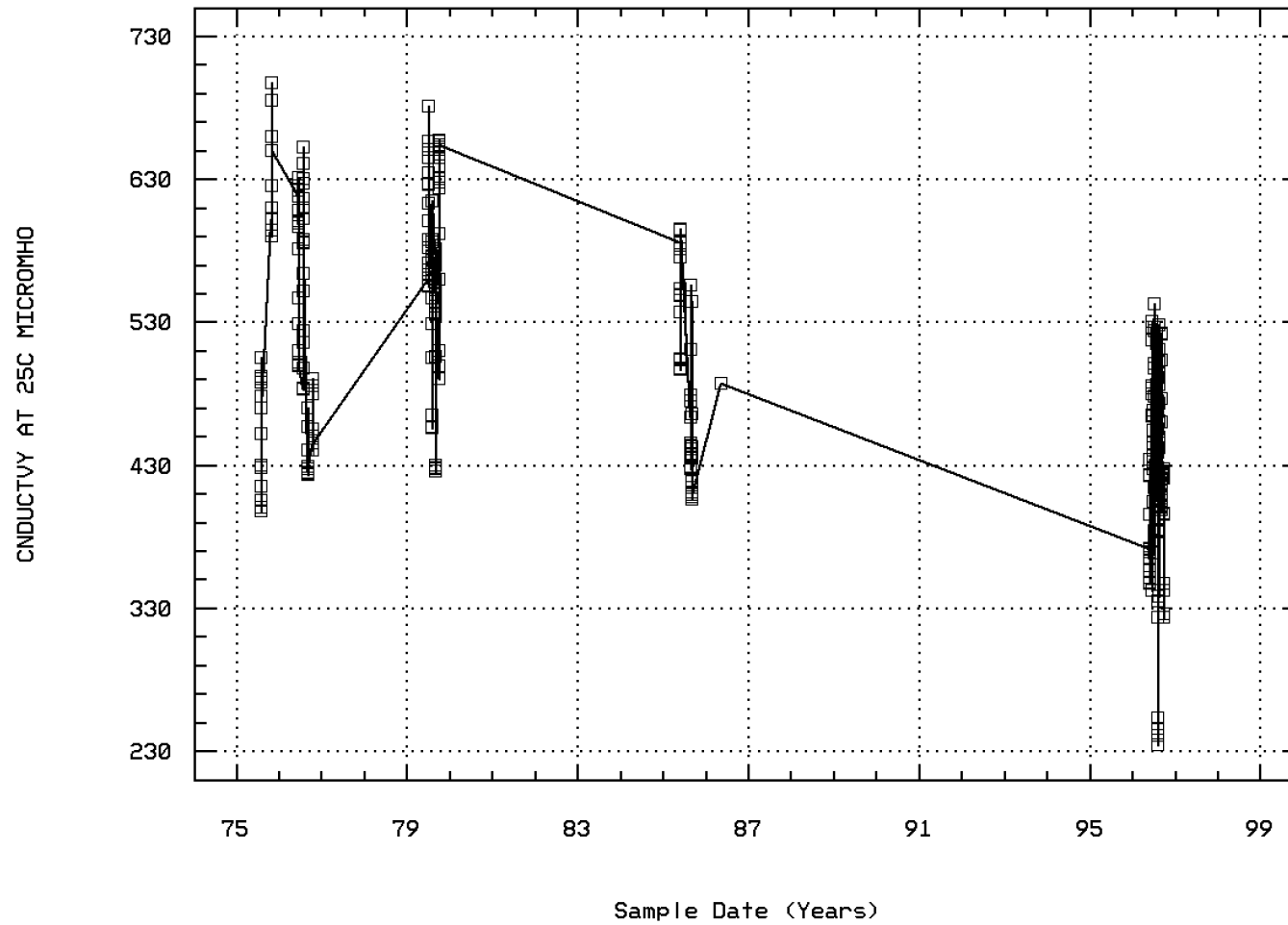
OXIDATION REDUCTION POTENTIAL (MILLIVOL



Paint Creek Lake, Middle Lake

Station: HOCU0063 Parameter Code: 00095

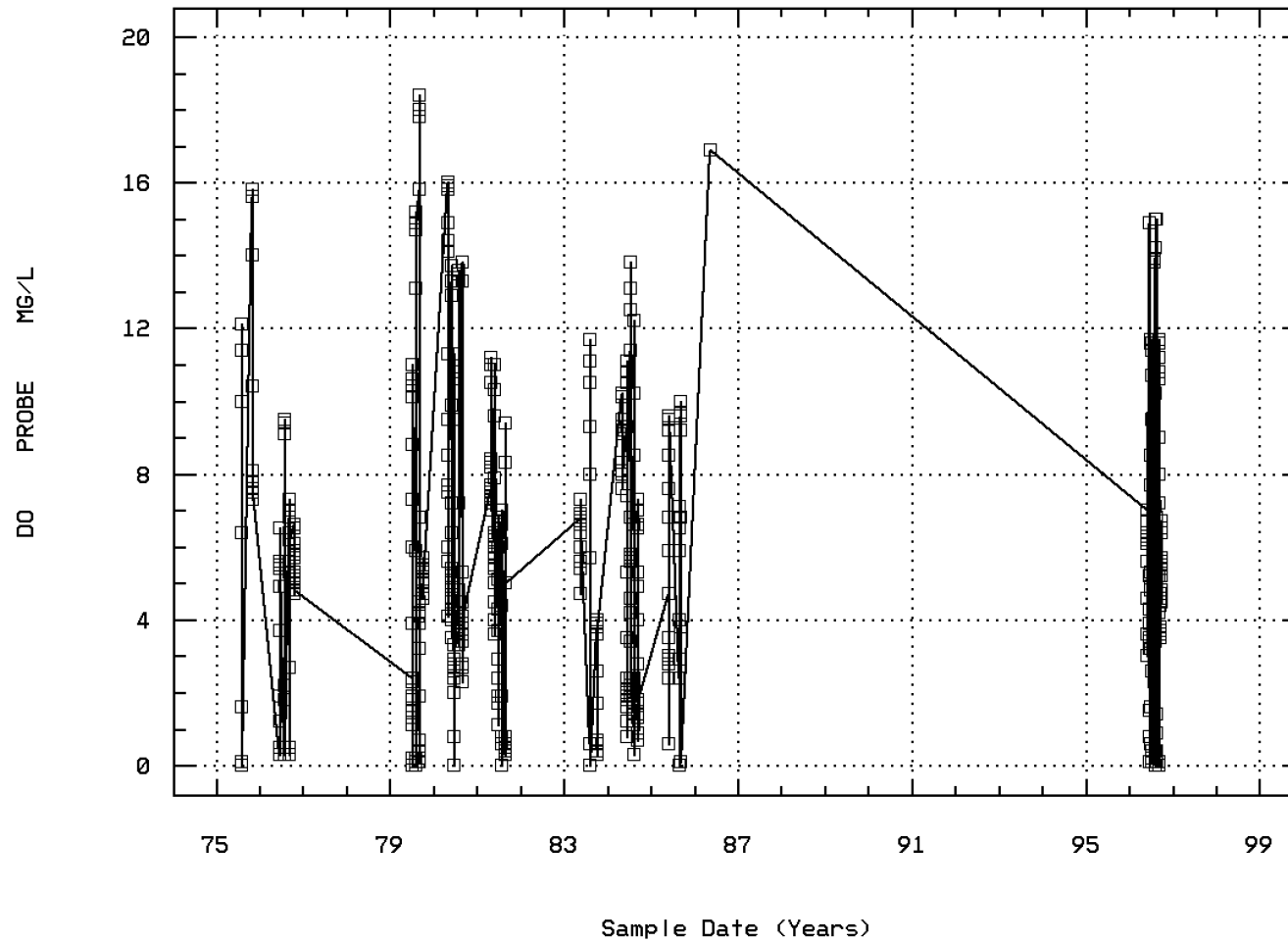
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



Paint Creek Lake, Middle Lake

Station: HOCU0063 Parameter Code: 00299

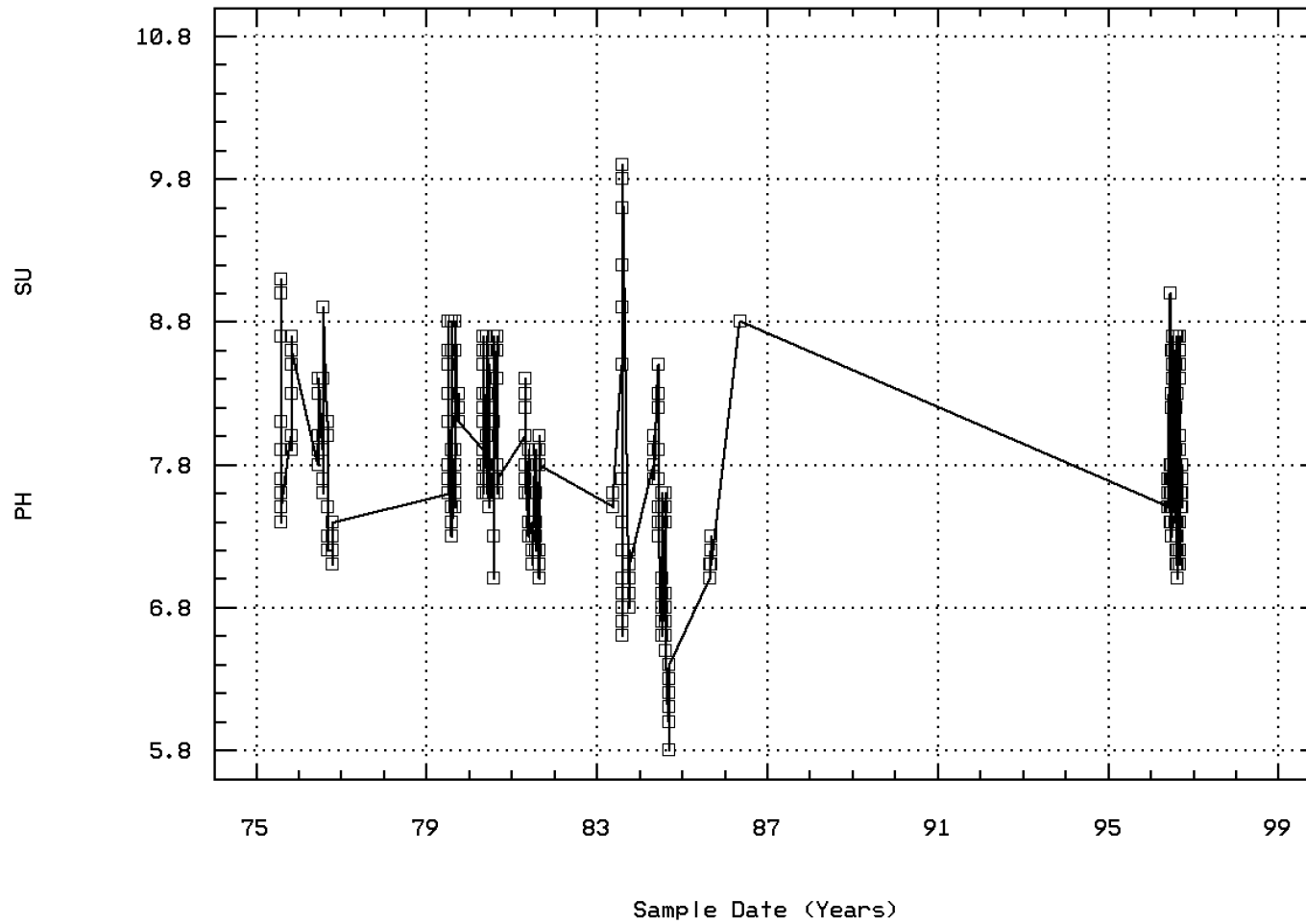
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Paint Creek Lake, Middle Lake

Station: HOCU0063 Parameter Code: 00400

PH (STANDARD UNITS)



Paint Creek Lake, Middle Lake

Annual Analysis for 1975 - Station HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	32	11.	12.813	35.	0.	108.609	10.422	1.	3.25	21.5	29.1
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	26	22.9	20.4	30.3	12.6	38.818	6.23	12.67	13.375	25.75	28.34
00031	LIGHT INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	16	31.	37.594	100.	0.5	1140.574	33.772	0.85	6.	62.75	100.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	26	492.	528.769	697.	398.	9030.665	95.03	403.5	446.5	610.	667.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	26	7.4	6.127	15.8	0.	33.811	5.815	0.	0.	10.65	15.66
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	26	7.95	8.081	9.1	7.4	0.282	0.531	7.5	7.6	8.6	9.
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	26	7.947	7.847	9.1	7.4	0.339	0.582	7.5	7.6	8.6	9.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	26	0.011	0.014	0.04	0.001	0.	0.012	0.001	0.003	0.025	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	86	15.	15.419	36.	0.	111.705	10.569	0.	6.	24.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	67	22.	20.799	27.8	14.7	13.704	3.702	16.14	16.5	23.	26.16
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	67	285.	233.045	385.	28.	17236.225	131.287	31.	50.	360.	380.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	67	490.	510.343	652.	423.	5223.744	72.275	426.6	445.	586.	622.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	67	4.9	3.733	9.5	0.3	8.811	2.968	0.3	0.3	6.1	6.84
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	67	7.7	7.764	8.9	7.1	0.233	0.483	7.2	7.3	8.1	8.4
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	67	7.7	7.562	8.9	7.1	0.275	0.524	7.2	7.3	8.1	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	67	0.02	0.027	0.079	0.001	0.001	0.023	0.004	0.008	0.05	0.063
00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	15	322.	332.	393.	277.	1248.286	35.331	287.8	307.	350.	388.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	15	7.	10.233	30.	2.5	63.424	7.964	2.5	5.	17.	24.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	15	0.19	0.618	3.	0.025	0.981	0.99	0.025	0.025	0.56	2.94
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	15	0.9	2.04	7.5	0.6	5.251	2.292	0.66	0.8	3.3	7.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	15	0.6	1.02	2.4	0.1	0.563	0.75	0.16	0.5	1.7	2.28
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	15	0.08	0.117	0.275	0.035	0.006	0.077	0.038	0.06	0.205	0.239
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	15	0.02	0.04	0.14	0.005	0.002	0.043	0.005	0.005	0.08	0.116
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	15	235.	236.533	280.	208.	476.552	21.83	208.	220.	250.	277.
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	15	45.	44.467	73.	30.	169.124	13.005	30.6	36.	47.	73.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	15	34.	32.267	45.	24.	70.21	8.379	24.	25.	43.	45.
00929	SODIUM, TOTAL (MG/L AS Na)	06/23/76-09/04/96	15	12.	12.6	16.	11.	1.829	1.352	11.	12.	13.	14.8
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	15	3.1	3.213	4.2	2.6	0.176	0.419	2.72	2.9	3.5	3.96
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/76-09/04/96	15	20.	17.933	23.	1.	48.781	6.984	1.	19.	21.	22.4
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	15	45.	44.2	50.	27.	29.743	5.454	34.8	43.	48.	48.8
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	15	565.	682.333	1600.	135.	210785.238	459.114	192.	300.	1000.	1498.
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	15 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	15	75.	236.	900.	35.	84543.571	290.764	41.	55.	380.	813.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	15	20.	187.667	900.	10.	96713.81	310.988	10.	10.	345.	810.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	15 ##	50.	59.333	190.	50.	1306.667	36.148	50.	50.	50.	106.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	15 ##	50.	90.333	300.	50.	5830.238	76.356	50.	50.	150.	240.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	15 ##	250.	401.667	1000.	250.	58970.238	242.838	250.	250.	625.	820.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	70	16	16.514	34	0	103.732	10.185	2	8	26	30
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	70	22.3	22.319	29.4	17.4	10.791	3.285	17.72	18.6	24.7	26.59
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	70	30.5	29.706	61	2.3	396.428	19.91	5.84	8.025	51.25	56
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	70	252.5	228.143	305	-12	6379.921	79.874	54.9	238.25	272.25	280.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	70	566.5	563.814	681	426	4105.023	64.07	457.8	533.5	617.25	651
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	70	4.55	4.899	18.4	0	24.842	4.984	0.01	0.35	5.75	14.54

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	70	7.85	7.969	8.8	7.3	0.208	0.456	7.5	7.575	8.3	8.78
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	70	7.847	7.778	8.8	7.3	0.245	0.495	7.5	7.575	8.3	8.78
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	70	0.014	0.017	0.05	0.002	0.	0.014	0.002	0.005	0.027	0.032

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Annual Analysis for 1980 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	113	10.	12.681	30.	0.	86.648	9.308	1.	5.	20.	27.2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	80	22.3	20.9	27.9	10.1	22.656	4.76	13.03	18.3	24.25	26.86
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	33	4.2	12.239	54.	0.	265.629	16.298	0.14	1.	18.	44.8
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	50	31.	37.196	99.	0.1	1011.913	31.811	0.4	5.875	63.	92.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-09/11/84	80	564.5	545.65	651.	352.	6601.876	81.252	412.	484.25	605.75	634.9
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	80	4.8	7.083	16.	0.	21.077	4.591	2.61	3.525	11.3	13.8
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	80	7.7	7.961	8.7	7.	0.193	0.439	7.6	7.6	8.475	8.69
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	80	7.7	7.788	8.7	7.	0.223	0.473	7.6	7.6	8.475	8.69
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	80	0.02	0.016	0.1	0.002	0.	0.014	0.002	0.003	0.025	0.025
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	14	208.	188.071	235.	112.	1572.687	39.657	121.	154.5	220.	235.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	18 ##	0.05	0.122	0.4	0.05	0.011	0.105	0.05	0.05	0.2	0.31
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	18	0.9	0.844	1.1	0.4	0.043	0.206	0.49	0.775	1.	1.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	18	3.8	5.172	12.1	1.2	7.721	2.779	1.74	3.375	7.025	8.77
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	18	0.09	0.091	0.16	0.06	0.001	0.027	0.06	0.07	0.11	0.142
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	18	0.02	0.029	0.08	0.005	0.	0.019	0.005	0.02	0.043	0.053
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	15	252.	266.333	339.	194.	2063.667	45.428	209.6	223.	301.	333.6
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	18	56.	58.8	75.4	37.1	121.765	11.035	46.82	50.7	68.425	73.24
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	18	30.5	30.183	38.	23.	20.083	4.481	24.08	26.5	33.25	37.1
00929	SODIUM, TOTAL (MG/L AS Na)	06/23/76-09/04/96	18	5.	4.862	8.	1.9	4.675	2.162	1.972	2.633	7.	7.1
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	18	1.79	3.037	12.8	0.9	11.554	3.399	0.99	1.275	2.625	11.18
00940	CHLORIDE, TOTAL IN WATER MG/L	06/23/76-09/04/96	18	20.	19.	23.	8.	16.471	4.058	8.9	19.	21.	23.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	18	45.5	41.5	53.	21.	105.324	10.263	21.9	36.25	48.5	50.3
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	18	245.	482.778	2400.	50.	334385.948	578.261	50.	100.	627.5	1320.
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	18 ##	50.	63.889	200.	50.	1413.399	37.595	50.	50.	50.	110.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	18	20.	46.111	190.	5.	2781.046	52.736	5.	5.	82.5	127.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	18 ##	5.	18.611	140.	5.	1096.487	33.113	5.	5.	20.	68.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	16 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	16 ##	25.	35.938	100.	25.	664.063	25.769	25.	25.	25.	100.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	18	44.49	38.126	62.7	5.8	342.553	18.508	11.236	22.68	54.843	60.594
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	16	25.15	30.712	57.67	9.61	324.229	18.006	10.009	12.33	46.85	56.774
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	15	2.31	3.839	13.83	0.5	14.24	3.774	0.5	1.72	5.62	11.784
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	16	7.315	11.415	46.77	2.3	136.896	11.7	3.357	5.04	13.17	36.004
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	14	1.6	1.536	1.6	1.3	0.009	0.093	1.35	1.5	1.6	1.6

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Annual Analysis for 1981 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	130	10.	12.515	36.	0.	90.763	9.527	1.	4.	20.	26.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	73	22.8	20.341	26.3	11.6	23.613	4.859	13.54	15.65	24.6	26.06
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	16	1.8	7.994	42.	0.	151.469	12.307	0.	0.125	11.75	31.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	47	11.	17.668	61.	0.2	398.606	19.965	0.58	2.1	25.	59.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	63	189.	208.698	408.	55.	10525.859	102.596	107.6	127.	212.	390.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-09/11/84	73	551.	551.507	683.	404.	3672.17	60.598	460.2	513.	589.5	627.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	73	6.1	5.43	11.2	0.	9.656	3.107	0.44	3.25	7.35	9.52

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Annual Analysis for 1981 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	73	7.4	7.505	8.4	7.	0.125	0.354	7.1	7.2	7.8	8.
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	73	7.4	7.388	8.4	7.	0.139	0.373	7.1	7.2	7.8	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	73	0.04	0.041	0.1	0.004	0.001	0.027	0.01	0.016	0.063	0.079
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	1	204.	204.	204.	204.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	11 ###	0.05	0.218	0.9	0.05	0.088	0.297	0.05	0.05	0.2	0.86
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	11	0.8	0.827	1.7	0.4	0.14	0.374	0.4	0.6	1.1	1.58
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	11	6.3	5.359	8.4	0.05	7.723	2.779	0.36	3.5	8.	8.36
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	11	0.1	0.103	0.25	0.005	0.005	0.073	0.006	0.05	0.12	0.24
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	5	0.05	0.066	0.12	0.02	0.002	0.042	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	1	234.	234.	234.	234.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS Na)	06/23/76-09/04/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	1 ###	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	06/23/76-09/04/96	5	17.	17.8	21.	14.	9.7	3.114	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	5	37.	35.4	44.	20.	89.8	9.476	**	**	**	**
01045	IRON, TOTAL (UG/L AS Fe)	06/23/76-09/18/96	1	657.	657.	657.	657.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS Fe)	06/23/76-09/11/84	1 ###	50.	50.	50.	50.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS Mn)	06/23/76-09/18/96	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS Mn)	06/23/76-09/11/84	1 ###	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS Zn)	06/23/76-09/11/84	1 ###	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS Zn)	06/23/76-09/04/96	1 ###	25.	25.	25.	25.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS Al)	06/23/76-09/04/96	1	734.	734.	734.	734.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	56	31.47	39.146	123.58	2.97	970.673	31.156	4.729	17.118	48.643	97.982
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	52	24.83	33.975	116.3	0.5	946.598	30.767	3.2	15.773	41.17	94.83
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	39	2.1	4.357	22.82	0.5	32.45	5.696	0.5	0.5	4.4	14.32
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	51	7.91	10.785	55.78	0.5	107.423	10.365	2.67	4.87	12.23	28.142
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	52	1.5	1.437	1.7	1.	0.028	0.167	1.13	1.3	1.6	1.6
82537	TURBIDITY, FORWARD SCATTER JTU	04/29/81-05/12/86	73	55.	87.534	360.	20.	7238.28	85.078	20.	20.	120.	230.

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Annual Analysis for 1983 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	67	15.	14.94	38.	0.	111.33	10.551	0.8	5.	24.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	54	19.2	19.987	28.5	14.4	14.433	3.799	16.05	17.275	21.825	27.7
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	9	7.	20.089	70.	0.	646.941	25.435	0.	0.3	41.	70.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	35	36.	26.849	56.	0.	409.082	20.226	0.	3.	45.	51.6
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	54	245.5	249.074	405.	84.	4918.711	70.134	168.	180.75	298.	348.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-09/11/84	54	452.5	468.37	618.	371.	6522.917	80.765	377.5	394.	540.5	616.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	54	5.05	4.439	11.7	0.	10.504	3.241	0.	0.6	6.725	7.65
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	54	7.5	7.472	9.9	6.6	0.559	0.747	6.8	7.	7.6	8.7
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	54	7.5	7.167	9.9	6.6	0.654	0.809	6.8	7.	7.6	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	54	0.032	0.068	0.251	0.	0.004	0.062	0.002	0.025	0.1	0.158
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	9	164.	209.889	463.	151.	9999.361	99.997	151.	155.5	231.	463.
00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	9	304.	337.333	426.	268.	3978.	63.071	268.	285.	412.	426.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	9	18.	77.222	234.	5.	9016.944	94.958	5.	15.	185.	234.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	9	0.2	0.339	1.1	0.05	0.124	0.352	0.05	0.1	0.55	1.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	9	0.8	0.967	1.9	0.6	0.198	0.444	0.6	0.65	1.3	1.9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	8	1.85	3.3	7.2	0.5	9.469	3.077	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	9 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	9 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	8	163.	161.625	186.	126.	520.839	22.822	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	9	35.	32.333	40.	19.	63.75	7.984	19.	24.5	39.	40.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	8	20.	20.25	24.	16.	10.786	3.284	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/76-09/04/96	9	6.	5.667	8.	3.	4.75	2.179	3.	3.	8.	8.

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Annual Analysis for 1983 - Station HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00937	POTASSIUM, TOTAL (MG/L AS K)	06/23/76-09/04/96	9	3.	2.556	3.	2.	0.278	0.527	2.	2.	3.
00940	CHLORIDE, TOTAL IN WATER (MG/L)	06/23/76-09/04/96	9	15.	15.778	19.	13.	6.194	2.489	13.	14.	19.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	9	40.	38.	46.	20.	87.25	9.341	20.	32.	46.
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	9	600.	1300.	3200.	50.	1931875.	1389.919	50.	75.	3000.
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	9	100.	180.	470.	30.	24325.	155.965	30.	85.	310.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	9 ##	5.	82.778	400.	5.	18306.944	135.303	5.	5.	140.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	9 ##	25.	243.889	1940.	25.	404879.861	636.302	25.	25.	52.5
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	9	510.	1247.778	2810.	80.	1426994.444	1194.569	80.	240.	2695.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	9	12.27	18.862	50.43	5.48	321.945	17.943	5.48	6.825	31.505
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	7	6.73	10.124	39.08	1.28	169.046	13.002	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	8	2.685	3.458	8.26	0.5	7.629	2.762	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	7	9.19	10.171	17.87	6.86	14.631	3.825	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	7	1.2	1.243	1.5	1.1	0.02	0.14	**	**	**
82537	TURBIDITY, FORWARD SCATTER JTU	04/29/81-05/12/86	32	160.	184.406	380.	30.	12663.604	112.533	33.	68.5	300.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	89	15.	15.056	34.	0.	91.326	9.556	2.	7.	23.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	78	22.1	20.869	27.8	11.6	17.877	4.228	14.44	16.15	23.825
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	78	32.	30.918	70.	1.4	246.361	15.696	12.	18.	40.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	70	362.	360.443	494.	16.	5779.439	76.023	285.2	294.	404.25
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-09/11/84	78	500.	518.641	625.	452.	2354.285	48.521	464.9	471.	566.25
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	78	5.3	5.631	13.8	0.3	16.564	4.07	1.19	1.8	9.125
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	78	7.3	7.115	8.5	5.8	0.496	0.704	6.09	6.6	7.7
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	78	7.3	6.598	8.5	5.8	0.768	0.876	6.09	6.6	7.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	78	0.05	0.253	1.585	0.003	0.183	0.428	0.012	0.02	0.251
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	11	273.	265.545	317.	220.	997.673	31.586	220.4	240.	289.
00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	11	366.	334.364	406.	190.	6443.055	80.269	196.4	224.	392.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	11	22.	24.	64.	5.	470.8	21.698	5.	5.	46.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	10 ##	0.05	0.195	0.7	0.05	0.064	0.253	0.05	0.05	0.375
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	10	0.95	1.035	1.6	0.05	0.262	0.512	0.115	0.7	1.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	8	0.027	0.047	0.138	0.005	0.003	0.054	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	11 ##	0.005	0.009	0.036	0.005	0.	0.01	0.005	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	11	243.	248.545	316.	209.	975.473	31.233	210.6	222.	266.
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	11	51.	54.909	74.	41.	112.891	10.625	41.6	46.	63.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	11	27.	27.091	32.	25.	3.891	1.973	25.	26.	28.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/76-09/04/96	11	7.	6.727	8.	6.	0.418	0.647	6.	6.	7.
00937	POTASSIUM, TOTAL (MG/L AS K)	06/23/76-09/04/96	11	4.	3.818	6.	1.	3.164	1.779	1.	3.	6.
00940	CHLORIDE, TOTAL IN WATER (MG/L)	06/23/76-09/04/96	11	23.	22.909	27.	20.	5.291	2.3	20.	20.	24.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	11	41.	49.818	75.	34.	206.364	14.365	35.	40.	63.
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	11	300.	422.727	1500.	50.	217181.818	466.028	50.	50.	500.
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	11	40.	35.455	60.	5.	362.273	19.033	5.	20.	50.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	11 ##	5.	13.182	50.	5.	196.364	14.013	5.	5.	20.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	10 ##	25.	49.	240.	25.	4565.556	67.569	25.	25.	31.25
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	11	430.	547.727	1420.	25.	188896.818	434.623	72.	260.	780.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	11	11.67	15.746	49.21	3.03	201.436	14.193	3.126	4.21	24.67
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	10	5.44	8.471	24.99	1.92	62.32	7.894	1.952	2.36	14.893
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	11 ##	0.5	1.43	3.98	0.5	1.55	1.245	0.5	0.5	2.57
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	10	10.875	13.202	40.27	1.85	140.879	11.869	1.854	2.993	19.135
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	10	1.3	1.26	1.4	1.	0.016	0.126	1.01	1.175	1.325

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Annual Analysis for 1984 - Station HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82537 TURBIDITY,FORWARD SCATTER JTU	04/29/81-05/12/86	77	100.	126.519	380.	34.	7938.463	89.098	35.6	57.	180.	264.

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Annual Analysis for 1985 - Station HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	42	13.	13.69	35.	0.	89.585	9.465	2.	6.	20.	30.
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	40	25.1	23.843	27.7	15.8	12.445	3.528	17.66	21.825	26.45	27.7
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	26	7.7	7.508	18.3	0.	21.07	4.59	0.	6.2	10.025	13.21
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	40	464.5	481.1	595.	406.	4092.656	63.974	409.2	427.25	547.	580.4
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	40	4.35	4.825	10.	0.	13.455	3.668	0.	1.05	9.025	9.6
00400p PH (STANDARD UNITS)	07/30/75-09/30/96	26	7.1	7.104	7.3	7.	0.008	0.092	7.	7.	7.2	7.2
00400p CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	26	7.1	7.095	7.3	7.	0.008	0.092	7.	7.	7.2	7.2
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	26	0.079	0.08	0.1	0.05	0.	0.016	0.063	0.063	0.1	0.1
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	3	0.2	1.183	3.3	0.05	3.366	1.835	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	3	0.8	1.383	3.3	0.05	2.896	1.702	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	3 ##	0.005	0.02	0.049	0.005	0.001	0.025	**	**	**	**
32210 CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	2	30.55	30.55	40.16	20.94	184.704	13.591	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	2	24.97	24.97	34.42	15.52	178.605	13.364	**	**	**	**
32212 CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	2 ##	1.01	1.01	1.52	0.5	0.721	0.835	**	**	**	**
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	2	7.845	7.845	8.05	7.64	0.084	0.29	**	**	**	**
32219 PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	2	1.55	1.55	1.6	1.5	0.005	0.071	**	**	**	**
82537 TURBIDITY,FORWARD SCATTER JTU	04/29/81-05/12/86	40	20.	26.75	160.	15.	699.423	26.447	15.	15.	27.5	53.5

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Annual Analysis for 1986 - Station HOCU0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	1	487.	487.	487.	487.	0.	0.	**	**	**	**
00299p OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	1	16.9	16.9	16.9	16.9	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	07/30/75-09/30/96	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32210 CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	1	49.64	49.64	49.64	49.64	0.	0.	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	1	42.69	42.69	42.69	42.69	0.	0.	**	**	**	**
32212 CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	1	3.39	3.39	3.39	3.39	0.	0.	**	**	**	**
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	1	9.33	9.33	9.33	9.33	0.	0.	**	**	**	**
32219 PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
82537 TURBIDITY,FORWARD SCATTER JTU	04/29/81-05/12/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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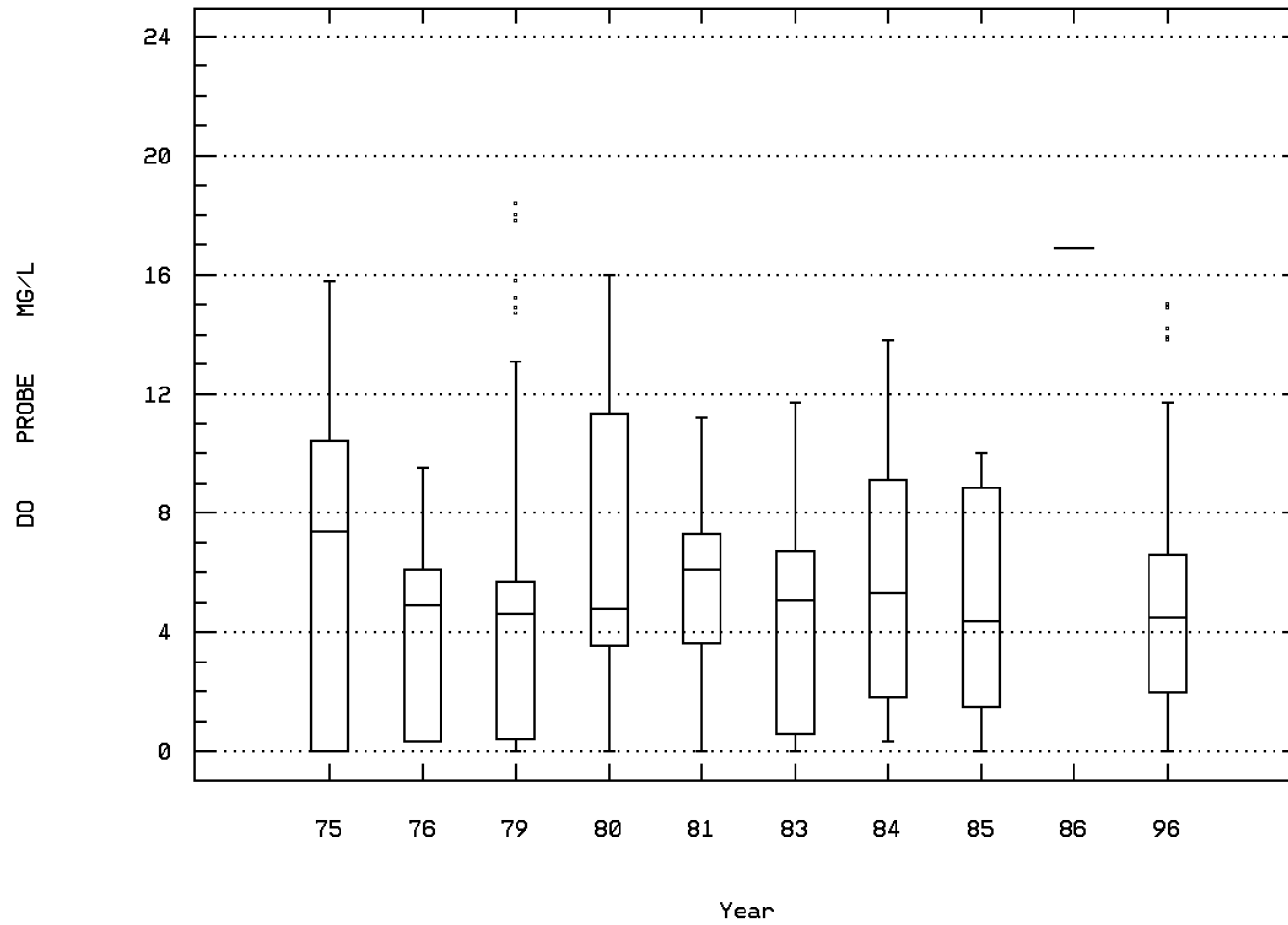
Annual Analysis for 1996 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	154	13.	15.227	56.	0.	130.203	11.411	2.	7.	23.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	144	23.25	22.982	29.3	14.7	11.68	3.418	18.7	20.625	25.575	27.45
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	46	4.2	10.683	51.	0.	194.782	13.956	0.	0.525	16.5	32.3
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	144	430.	417.257	510.	151.	3725.633	61.038	340.	382.	458.5	490.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	143	423.	423.224	543.	234.	3608.809	60.073	347.	400.	461.	501.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	144	4.5	5.028	15.	0.	18.11	4.256	0.1	1.775	6.65	11.65
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	144	7.6	7.751	9.	7.	0.232	0.481	7.2	7.5	7.8	8.65
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	144	7.6	7.566	9.	7.	0.266	0.516	7.2	7.5	7.8	8.65
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	144	0.025	0.027	0.1	0.001	0.	0.021	0.002	0.016	0.032	0.063
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	44	150.	149.182	200.	96.	569.92	23.873	116.	134.	168.	172.
00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	27	288.	295.815	423.	196.	3228.387	56.819	238.8	256.	328.	388.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	27	14.	25.593	91.	2.	554.02	23.538	7.8	10.	37.	66.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	24	0.13	0.52	2.01	0.01	0.431	0.656	0.015	0.073	0.728	1.695
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	21	0.36	0.999	6.62	0.01	2.211	1.487	0.03	0.11	1.72	1.99
00630	NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	06/23/76-09/18/96	27	2.81	2.677	5.	0.24	1.724	1.313	0.91	1.59	3.47	4.692
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	27	0.09	0.117	0.33	0.04	0.005	0.072	0.048	0.07	0.15	0.228
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	27 ##	0.01	0.032	0.14	0.01	0.001	0.036	0.01	0.01	0.05	0.09
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	9	207.	210.556	249.	166.	739.278	27.19	166.	191.	239.	249.
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	9	40.9	43.511	58.5	31.6	69.899	8.361	31.6	38.7	50.95	58.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	9	26.	24.744	27.6	20.7	7.775	2.788	20.7	21.4	26.95	27.6
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/76-09/04/96	9	7.08	7.617	10.8	5.38	3.309	1.819	5.38	6.16	9.305	10.8
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	9	2.91	2.973	3.65	2.49	0.114	0.337	2.49	2.78	3.175	3.65
00940	CHLORIDE, TOTAL IN WATER MG/L	06/23/76-09/04/96	9	12.	12.444	16.	10.	4.528	2.128	10.	10.5	14.	16.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	9	21.	19.444	24.	14.	18.278	4.275	14.	14.	23.	24.
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	27	472.	1108.333	5100.	44.	1852903.077	1361.214	48.	183.	1590.	3328.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	27	44.	145.556	654.	12.	37083.333	192.57	20.2	25.	277.	516.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	9 ##	2.5	7.833	19.	2.5	44.125	6.643	2.5	2.5	14.	19.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	9	235.	612.889	1880.	109.	373321.611	611.001	109.	176.	1060.	1880.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	36	28.71	32.633	85.54	1.97	478.429	21.873	8.64	15.255	43.438	69.176
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	36	23.505	28.488	77.01	0.5	417.207	20.426	5.841	13.163	39.022	63.408
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	36	1.975	2.636	11.52	0.5	7.336	2.709	0.5	0.5	3.715	6.421
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	36	5.17	5.437	10.93	1.5	5.597	2.366	2.17	3.755	6.743	8.821
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	36	1.6	1.544	1.7	1.3	0.011	0.103	1.37	1.5	1.6	1.6

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Station: HOCU0063 Parameter Code: 00299

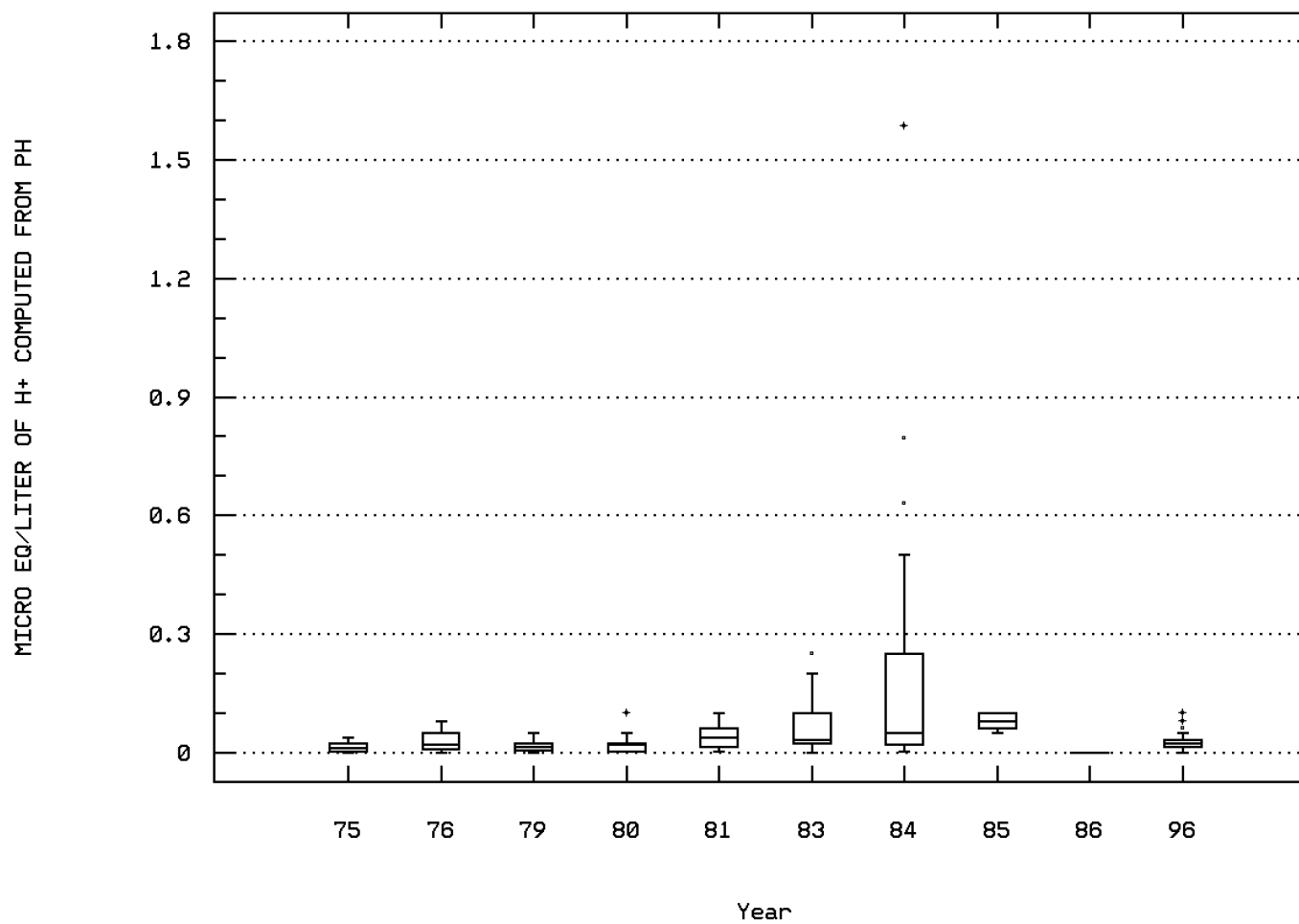
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Paint Creek Lake, Middle Lake

Station: HOCU0063 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



Paint Creek Lake, Middle Lake

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	175	14.	14.771	36.	0.	97.407	9.87	2.	6.	22.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	156	21.6	21.201	27.7	14.7	11.256	3.355	16.4	18.6	23.	26.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	10	26.5	24.2	30.	16.	33.956	5.827	16.	16.75	29.	29.9
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	14	4.	8.643	32.	0.	117.478	10.839	0.	0.75	15.	29.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	77	20.	25.065	70.	0.	373.57	19.328	5.78	7.65	38.	57.4
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/76-08/10/83	41	150.	141.041	296.	1.3	7770.779	88.152	3.34	77.	213.	252.4
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	135	329.	304.496	510.	28.	19906.953	141.092	70.8	229.	422.	494.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	127	429.	464.11	657.	323.	5429.813	73.687	405.8	422.	490.	578.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	156	5.	4.96	18.4	0.	11.114	3.334	0.3	3.6	6.05	9.2
00400	PH (STANDARD UNITS)	07/30/75-09/30/96	156	7.5	7.494	8.8	5.8	0.425	0.652	6.8	7.2	7.975	8.3
00400	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	156	7.5	6.903	8.8	5.8	0.776	0.881	6.8	7.2	7.975	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	156	0.032	0.125	1.585	0.002	0.103	0.321	0.005	0.011	0.063	0.158
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	20	168.	183.	275.	132.	2104.947	45.88	144.	152.	213.	272.6
00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	19	296.	305.632	392.	230.	1989.246	44.601	241.	277.	343.	366.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	19	14.	20.132	64.	2.5	364.746	19.098	2.5	6.	38.	56.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	22	0.2	0.552	3.3	0.025	0.673	0.82	0.025	0.05	0.683	1.713
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	22	0.97	1.467	7.	0.05	2.004	1.416	0.6	0.775	1.675	2.907
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	16	0.555	0.66	1.21	0.1	0.125	0.353	0.17	0.5	0.958	1.203
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	19	0.06	0.062	0.17	0.005	0.002	0.048	0.005	0.005	0.09	0.13
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	19 ##	0.01	0.015	0.08	0.005	0.	0.018	0.005	0.005	0.015	0.045
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/28/81-09/18/96	12	4.5	4.908	9.3	3.	3.679	1.918	3.	3.375	5.45	8.82
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	16	213.	214.75	250.	182.	387.667	19.689	184.8	207.25	228.75	244.4
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	16	39.95	40.65	49.	35.	22.78	4.773	35.	36.	45.	46.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	16	25.	25.156	27.6	23.	1.735	1.317	23.7	24.	26.	27.25
00929	SODIUM, TOTAL (MG/L AS Na)	06/23/76-09/04/96	16	10.08	9.776	13.	7.	4.254	2.062	7.	8.	11.75	12.3
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	16	3.1	3.154	4.	2.	0.18	0.424	2.644	3.	3.375	3.755
00940	CHLORIDE, TOTAL IN WATER MG/L	06/23/76-09/04/96	16	20.	17.188	22.	10.	17.896	4.23	10.	14.	20.	21.3
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	16	40.	36.063	50.	14.	143.396	11.975	14.	30.	43.75	47.9
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	19	453.	587.421	1500.	180.	185481.48	430.676	187.	300.	957.	1400.
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	19	55.	129.211	654.	24.	27854.731	166.897	25.	40.	140.	470.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	13 ##	10.	61.538	400.	5.	13155.769	114.699	5.	7.5	52.5	320.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	13 ##	50.	49.231	190.	25.	1945.192	44.104	25.	25.	50.	134.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	16	50.	80.438	300.	14.	8155.329	90.307	14.	25.	125.	258.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	16	270.	502.313	1570.	164.	190385.296	436.332	180.8	250.	596.25	1465.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/23/76-09/11/84	13 ##	250.	186.154	250.	60.	6142.308	78.373	60.	110.	250.	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	19	19.44	26.792	85.54	8.57	503.746	22.444	8.75	11.71	36.89	76.37
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	18	15.825	22.478	77.01	6.09	450.699	21.23	6.27	7.295	31.525	69.333
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	19	1.94	2.856	11.52	0.5	8.673	2.945	0.5	1.38	3.18	9.67
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	18	7.825	7.881	23.29	2.2	23.119	4.808	2.839	4.565	10.278	12.706
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	18	1.5	1.467	1.6	1.2	0.021	0.146	1.2	1.3	1.6	1.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	14	8.5	10.214	25.	0.	70.027	8.368	0.5	2.75	17.75	23.5
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	11	13.	13.655	15.3	12.6	1.363	1.167	12.6	12.7	15.1	15.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	7	21.	32.643	100.	0.5	1315.56	36.271	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	11	610.	628.455	697.	590.	1489.273	38.591	590.	594.	660.	694.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	11	8.1	10.7	15.8	7.3	14.2	3.768	7.34	7.6	15.6	15.8
00400	PH (STANDARD UNITS)	07/30/75-09/30/96	11	8.	8.218	8.7	7.9	0.106	0.325	7.9	7.9	8.6	8.68
00400	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	11	8.	8.123	8.7	7.9	0.116	0.34	7.9	7.9	8.6	8.68
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	11	0.01	0.008	0.013	0.002	0.	0.004	0.002	0.003	0.013	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-10/29/96	595	13.	14.261	56.	0.	107.644	10.375	2.	5.	22.	30.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	466	23.	21.841	30.3	10.1	18.994	4.358	14.9	18.675	25.1	26.93
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	24	30.	29.25	37.	11.	32.804	5.728	20.	28.25	33.	35.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	99	4.9	14.707	100.	0.	407.58	20.189	0.	0.6	23.	50.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/11/79-05/12/86	230	22.5	27.812	99.	0.	528.353	22.986	1.22	7.	44.	57.9
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/76-08/10/83	50	52.	80.066	247.	1.	5889.101	76.74	3.55	19.	131.25	219.9
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/30/96	333	307.	307.48	472.	-12.	12940.919	113.758	132.4	244.	400.	446.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	209	485.	487.105	681.	234.	7779.239	88.2	371.	433.	556.	602.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	466	4.6	5.229	16.9	0.	19.126	4.373	0.1	1.3	7.625	11.63
00400	PH (STANDARD UNITS)	07/30/75-09/30/96	452	7.6	7.703	9.9	6.5	0.318	0.564	7.	7.4	7.9	8.6
00400	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	452	7.6	7.413	9.9	6.5	0.402	0.634	7.	7.4	7.9	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	452	0.025	0.039	0.316	0.	0.002	0.05	0.003	0.013	0.04	0.1
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	59	161.	178.831	463.	96.	3904.902	62.489	120.	142.	208.	240.
00500	RESIDUE, TOTAL (MG/L)	06/23/76-09/18/96	43	322.	322.651	426.	190.	4299.137	65.568	233.2	268.	386.	404.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/18/96	43	16.	33.047	234.	2.	2623.141	51.217	5.	8.	29.	87.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-09/18/96	69	0.1	0.331	3.	0.01	0.342	0.585	0.05	0.05	0.325	0.9
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-09/18/96	66	0.8	1.02	7.5	0.01	1.545	1.243	0.114	0.49	1.	1.76
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-09/18/96	63	3.5	4.055	12.1	0.05	6.071	2.464	1.5	2.23	6.6	7.38
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-09/18/96	72	0.08	0.097	0.33	0.005	0.005	0.072	0.007	0.05	0.12	0.214
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-09/18/96	66	0.02	0.033	0.14	0.005	0.001	0.035	0.005	0.009	0.05	0.092
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/28/81-09/18/96	40	4.8	5.453	19.	2.	13.401	3.661	2.04	3.1	6.275	8.72
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-09/04/96	43	242.	238.674	339.	126.	2551.225	50.51	163.	215.	275.	310.
00916	CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-09/04/96	47	51.	51.396	75.4	19.	220.131	14.837	30.8	40.	63.	73.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-09/04/96	46	28.	28.946	45.	16.	50.317	7.093	20.19	24.5	34.	39.5
00929	SODIUM, TOTAL (MG/L AS Na)	06/23/76-09/04/96	47	6.	6.759	16.	1.9	12.301	3.507	2.646	4.	7.08	13.
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/76-09/04/96	47	2.8	3.078	12.8	0.5	5.356	2.314	1.	1.78	3.8	6.
00940	CHLORIDE, TOTAL IN WATER MG/L	06/23/76-09/04/96	51	20.	18.255	27.	1.	29.274	5.411	11.2	15.	22.	23.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/76-09/04/96	51	44.	40.686	75.	20.	167.22	12.931	21.2	28.	48.	51.
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-09/18/96	62	461.	882.194	5100.	44.	1282684.388	1132.557	50.	132.	1205.	2940.
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-09/11/84	41 ##	50.	56.098	200.	50.	649.39	25.483	50.	50.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-09/18/96	62	50.	127.032	900.	5.	38127.671	195.263	5.	20.75	100.	422.6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-09/11/84	41 ##	5.	79.146	900.	5.	41381.128	203.424	5.	5.	20.	304.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-09/11/84	38 ##	25.	30.263	50.	25.	106.686	10.329	25.	25.	25.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-09/04/96	44 ##	25.	77.807	1940.	2.5	83335.596	288.679	2.5	25.	50.	90.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/04/96	29	430.	741.138	2810.	25.	640965.409	800.603	109.	250.	890.	2680.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/23/76-09/11/84	23 ##	120.	148.478	350.	25.	12032.806	109.694	25.	25.	250.	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	114	29.715	35.069	123.58	1.97	693.787	26.34	5.455	14.185	49.23	67.82
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	106	23.505	29.503	116.3	0.5	660.127	25.693	2.784	10.25	40.85	63.408
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	93	2.06	3.408	22.82	0.5	18.594	4.312	0.5	0.5	4.025	9.094
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/30/96	105	6.86	9.665	55.78	0.5	90.539	9.515	2.492	4.63	10.455	17.95
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/30/80-09/30/96	104	1.5	1.456	1.7	1.	0.029	0.169	1.2	1.3	1.6	1.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0064

NPS Station ID: HOCU0064
 Location: PAINT CK RESERVOIR
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 044.50
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060003002401.58
 Description:
 LOCATED ON PAINT CR LAKE 14000FT BELOW THE ROUTE 41 CROSSING AT GREENFIE LD OH. SAMPLED BY ARMY CORPS OF ENGRS HUNTINGTON WV 304-529-5694 Green
 field OH Quad. ROSS COUNTY

LAT/LON: 39.304726/ -83.381948

Depth of Water: 20
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 1.57

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1PCSW0012
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.07

Date Created: 05/19/76

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0064

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	08/19/74-09/23/86	19	2.	1.842	6.	0.	3.918	1.979	0.	0.	4.	5.
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/76-09/23/86	12	19.65	18.717	24.1	12.2	17.987	4.241	12.23	13.95	21.15	24.07
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/23/76-09/23/86	5	27.	27.2	30.	22.	10.7	3.271	**	**	**	**
00031 LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	08/19/74-04/30/80	7	39.	43.143	66.	26.	276.476	16.628	**	**	**	**
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	08/19/74-09/23/86	3	0.	7.667	23.	0.	176.333	13.279	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/76-09/10/76	2	4.05	4.05	6.	2.1	7.605	2.758	**	**	**	**
00077 TRANSPARENCY, SECCHI DISC (INCHES)	09/10/76-09/23/86	2	13.	13.	13.	13.	0.	0.	**	**	**	**
00090 OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/23/76-09/10/76	7	305.	190.	313.	31.	22128.333	148.756	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-04/30/80	3	678.	678.	678.	678.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/74-09/23/86	10	659.	800.2	1990.	638.	175788.622	419.272	638.2	640.75	712.	1862.2
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/23/76-09/23/86	12	7.3	9.283	16.5	6.6	11.958	3.458	6.66	6.85	10.175	16.23
00400 PH (STANDARD UNITS)	06/23/76-09/23/86	12	8.3	8.283	8.5	8.1	0.018	0.134	8.1	8.15	8.3	8.5
00400 CONVERTED PH (STANDARD UNITS)	06/23/76-09/23/86	12	8.3	8.265	8.5	8.1	0.018	0.135	8.1	8.15	8.3	8.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/76-09/23/86	12	0.005	0.005	0.008	0.003	0.	0.002	0.003	0.005	0.007	0.008
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	08/19/74-04/30/80	2	225.	225.	265.	185.	3200.	56.569	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/23/76-09/10/76	2	463.5	463.5	477.	450.	364.5	19.092	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/23/76-09/10/76	2	183.	183.	200.	166.	578.	24.042	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/23/76-09/10/76	2	15.5	15.5	22.	9.	84.5	9.192	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/76-04/30/80	3	0.09	0.105	0.2	0.025	0.008	0.088	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/76-04/30/80	3	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/76-04/30/80	3	3.	3.1	3.6	2.7	0.21	0.458	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/23/76-04/30/80	3	0.84	0.81	1.3	0.29	0.256	0.506	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/76-04/30/80	3	0.4	0.427	0.85	0.03	0.169	0.411	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CaCO3)	06/23/76-04/30/80	3	320.	326.667	360.	300.	933.333	30.551	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS Ca)	06/23/76-04/30/80	3	67.	65.	79.	49.	228.	15.1	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	06/23/76-04/30/80	3	37.	36.333	38.	34.	4.333	2.082	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS Na)	06/23/76-04/30/80	3	18.	14.333	19.	6.	52.333	7.234	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	06/23/76-04/30/80	3	4.3	3.133	4.3	0.8	4.083	2.021	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	06/23/76-04/30/80	3	26.	18.667	28.	2.	209.333	14.468	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	06/23/76-04/30/80	3	57.	56.333	57.	55.	1.333	1.155	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	04/30/80-04/30/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	04/30/80-04/30/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/76-04/30/80	3 ##	25.	17.5	25.	2.5	168.75	12.99	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/23/76-04/30/80	3 ##	25.	17.5	25.	2.5	168.75	12.99	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/76-09/10/76	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/23/76-09/10/76	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/76-04/30/80	3	520.	463.333	770.	100.	114633.333	338.575	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/76-04/30/80	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/76-09/10/76	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/23/76-09/10/76	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/76-04/30/80	3	25.	26.667	45.	10.	308.333	17.559	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/76-04/30/80	3	20.	16.667	20.	10.	33.333	5.774	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/76-04/30/80	3 ##	50.	95.	210.	25.	10075.	100.374	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/76-04/30/80	3 ##	50.	218.333	580.	25.	98258.333	313.462	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/23/76-09/10/76	2 ##	425.	425.	600.	250.	61250.	247.487	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/23/76-09/10/76	2 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/23/86	2	135.98	135.98	266.22	5.74	33924.915	184.187	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/23/86	2	126.035	126.035	247.43	4.64	29473.492	171.678	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/23/86	2 ##	4.54	4.54	8.58	0.5	32.643	5.713	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	04/30/80-09/23/86	2	9.695	9.695	17.65	1.74	126.564	11.25	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	04/30/80-09/23/86	2	1.6	1.6	1.7	1.5	0.02	0.141	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/23/76-09/10/76	2	2.85	2.85	3.	2.7	0.045	0.212	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/23/76-09/10/76	2	3.9	3.9	4.8	3.	1.62	1.273	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	09/23/86-09/23/86	2	47.5	47.5	50.	45.	12.5	3.536	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0064

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00			1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	5	0	0.00			7	0	0.00			
00400	PH	Fresh Chronic	9.	12	0	0.00	5	0	0.00			7	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	5	0	0.00			7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00			2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00			2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00			2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00			2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
		Drinking Water	5.	1	0	0.00						1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
		Drinking Water	5.	1	0	0.00						1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00	1	0	0.00			2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00			2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00											
		Drinking Water	1300.	2	0	0.00	1	0	0.00			1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00											
		Drinking Water	1300.	2	0	0.00	1	0	0.00			1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00	1	0	0.00			1	0	0.00			
		Drinking Water	15.	0 &	0	0.00											
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00			1	0	0.00			
		Drinking Water	15.	0 &	0	0.00											
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	1	0.33	1	1	1.00			2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00			2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	1	0.33	1	1	1.00			2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00			2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	2	1.00	1	1	1.00			1	1	1.00			
		Drinking Water	2.	2	2	1.00	1	1	1.00			1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	2	1.00	1	1	1.00			1	1	1.00			
		Drinking Water	2.	2	2	1.00	1	1	1.00			1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0065

NPS Station ID: HOCU0065
 Location: Paint Creek Lake, Paint Creek arm
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 042.00
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060003002500.77
 Description:
 LOCATED IN PAINT CR LAKE ON PAINT CR 5200 FT ABOVE RATTLESNAKE CR, GREEN FIELD OH QUAD. SAMPLED BY ARMY CORPS OF ENGR HUNTINGTON WV 304-529-569
 ROSS COUNTY

LAT/LON: 39.277505/ -83.385281

Depth of Water: 45
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 4.55

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): IPCS00018
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.11

Date Created: 05/19/76

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	462	6.	6.66	36.	0.	27.895	5.282	0.	2.	10.	14.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	351	23.5	22.231	30.9	4.6	26.206	5.119	15.42	18.7	26.	27.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	46	26.	23.261	36.	3.	86.953	9.325	3.	16.75	30.	33.
00031p	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	128	3.9	13.091	100.	0.	422.774	20.561	0.	0.5	17.75	42.2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	219	14.	19.222	87.	0.	375.469	19.377	0.	0.3	33.	44.
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	33	105.	126.636	269.	22.	5054.489	71.095	36.	74.	183.	232.4
00077	TRANSPARENCY, SECCHI DISC (INCHES)	37	18.	17.757	37.	1.	67.745	8.231	5.8	12.	22.	30.6
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	222	313.5	304.523	490.	1.	11570.377	107.566	152.4	228.75	400.	437.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	154	541.	551.052	744.	354.	8130.416	90.169	432.	477.	636.	669.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	197	466.	492.569	910.	159.	14520.481	120.501	367.2	417.5	567.5	673.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	351	7.7	8.383	22.	0.	15.398	3.924	4.	5.8	10.5	14.48
00400p	PH (STANDARD UNITS)	342	8.05	8.031	9.3	6.9	0.216	0.465	7.4	7.7	8.3	8.7
00400p	CONVERTED PH (STANDARD UNITS)	342	8.047	7.787	9.3	6.9	0.276	0.525	7.4	7.7	8.3	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	342	0.009	0.016	0.126	0.001	0.	0.02	0.002	0.005	0.02	0.04
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	57	168.	194.754	457.	108.	4774.474	69.098	134.4	149.	215.	276.
00500	RESIDUE, TOTAL (MG/L)	25	309.	342.	972.	140.	22943.5	151.471	238.8	261.5	380.	450.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	24	260.	265.208	358.	54.	4646.607	68.166	207.5	225.	323.	354.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	25	26.	58.32	614.	3.	14462.643	120.261	5.	13.	50.5	115.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	16	0.065	0.226	0.66	0.01	0.049	0.221	0.024	0.043	0.435	0.541
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	52	0.08	0.23	1.38	0.01	0.09	0.3	0.05	0.05	0.328	0.621
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	14	0.26	0.354	0.88	0.04	0.101	0.319	0.05	0.06	0.678	0.825
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50	0.78	0.834	1.93	0.05	0.301	0.548	0.104	0.415	1.313	1.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	47	3.5	4.012	9.5	0.05	7.573	2.752	0.788	1.8	6.8	8.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	18	2.95	2.878	5.7	0.4	2.697	1.642	0.4	1.575	3.775	5.52
00665	PHOSPHORUS, TOTAL (MG/L AS P)	53	0.124	0.137	0.46	0.005	0.012	0.108	0.005	0.052	0.195	0.302
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	48	0.03	0.055	0.22	0.005	0.003	0.058	0.005	0.01	0.095	0.151
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	35	5.1	6.	18.3	0.5	13.101	3.619	2.	4.	7.	10.68
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	18	4.25	3.967	7.7	0.9	3.048	1.746	1.17	2.95	4.825	6.71
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	26	261.5	273.5	377.	178.	3561.38	59.677	197.8	224.75	328.5	361.7
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	8	52.5	53.375	63.	45.	40.839	6.391	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	29	60.1	59.921	81.9	31.7	217.529	14.749	39.2	46.95	70.5	80.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	8	25.	24.125	26.	19.	6.982	2.642	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	29	28.	31.014	43.	23.2	38.496	6.204	24.1	26.2	36.65	40.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929	SODIUM, TOTAL (MG/L AS NA)	04/30/80-09/05/96	29	7.	6.594	11.1	1.71	8.03	2.834	1.9	5.	8.705	10.
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/10/84	8	6.	6.	7.	4.	1.143	1.069	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/10/84	8	2.5	2.313	4.	0.5	1.924	1.387	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/30/80-09/05/96	29	2.1	3.388	15.2	0.5	11.019	3.319	1.	1.66	3.31	8.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/30/80-09/05/96	34	21.	21.647	33.	9.	38.235	6.183	12.	18.	27.	30.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/30/80-09/05/96	38	47.	44.868	79.	15.	246.171	15.69	21.9	34.5	54.	65.1
01002	ARSENIC, TOTAL (UG/L AS AS)	07/10/96-09/05/96	6 ##	1.	1.333	2.	1.	0.267	0.516	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/01/81-07/10/84	8	40.	43.75	50.	40.	26.786	5.175	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/01/81-07/10/84	8	50.	55.375	80.	40.	185.411	13.617	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/01/81-07/10/84	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/01/81-07/10/84	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/30/80-07/01/81	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/80-09/05/96	19 ##	0.5	0.374	0.5	0.1	0.036	0.191	0.1	0.1	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/30/80-07/01/81	14 ##	0.5	1.321	4.	0.5	1.446	1.203	0.5	0.5	2.5	3.25
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/80-09/05/96	19 ##	0.5	1.553	7.	0.5	2.886	1.699	0.5	0.5	2.5	4.
01040	COPPER, DISSOLVED (UG/L AS CU)	07/01/81-07/01/81	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/10/96-09/05/96	6 ##	2.	3.667	8.	2.	7.067	2.658	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/30/80-09/18/96	41	575.	1232.	6000.	50.	2215041.45	1488.302	90.4	200.	1920.	3208.
01046	IRON, DISSOLVED (UG/L AS FE)	04/30/80-07/10/84	23 ##	50.	58.696	200.	50.	1057.312	32.516	50.	50.	50.	80.
01049	LEAD, DISSOLVED (UG/L AS PB)	07/01/81-07/01/81	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/10/96-09/05/96	6 ##	0.5	0.667	1.	0.5	0.067	0.258	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/30/80-09/18/96	41	47.	62.927	207.	5.	2245.17	47.383	10.	27.	92.5	130.4
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/30/80-07/10/84	23 ##	5.	22.826	120.	5.	888.241	29.803	5.	5.	30.	72.
01057	THALLIUM, DISSOLVED (UG/L AS TL)	07/01/81-07/01/81	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	07/01/81-07/01/81	1	238.	238.	238.	238.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/81-07/01/81	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/10/96-09/05/96	6 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/30/80-07/10/84	20 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/80-09/05/96	26 ##	25.	43.346	500.	2.5	9052.755	95.146	2.5	21.	25.	65.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/01/81-07/10/84	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/01/81-07/10/84	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/01/81-09/05/96	14	620.	737.357	1943.	176.	249614.863	499.615	213.	387.5	1062.5	1681.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/01/81-07/10/84	8	90.	137.5	320.	25.	12242.857	110.647	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	95	36.99	37.627	94.44	1.74	386.969	19.672	11.258	23.7	50.66	65.646
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/28/80-09/30/96	86	32.68	33.133	83.3	1.28	334.365	18.286	12.312	19.14	45.275	58.598
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	04/30/80-09/30/96	88	2.55	3.978	17.28	0.5	14.591	3.82	0.5	1.295	5.59	10.108
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/28/80-09/30/96	86	6.615	8.303	34.47	0.5	51.451	7.173	1.892	3.565	9.495	17.754
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/28/80-09/30/96	86	1.6	1.516	1.7	1.2	0.015	0.124	1.3	1.5	1.6	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/26/80-08/26/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/26/80-08/26/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/30/96-09/30/96	79	60.	100.101	450.	18.	9010.041	94.921	25.	37.	120.	250.
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-07/13/82	30	0.1	0.513	2.7	0.	0.588	0.767	0.	0.	0.725	1.79
82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-09/23/87	177	70.	143.503	900.	10.	38212.854	195.481	15.	30.	165.	384.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0065

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	33	29	0.88	15	15	1.00			18	14	0.78			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	351	36	0.10	68	8	0.12	17	0	0.00	266	28	0.11		
00400	PH	Fresh Chronic	9.	342	6	0.02	68	0	0.00	17	0	0.00	257	6	0.02		
		Other-Lo Lim.	6.5	342	0	0.00	68	0	0.00	17	0	0.00	257	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	47	0	0.00	4	0	0.00			43	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	18	0	0.00	4	0	0.00			14	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	34	0	0.00	2	0	0.00			32	0	0.00			
		Drinking Water	250.	34	0	0.00	2	0	0.00			32	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	38	0	0.00	2	0	0.00			36	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	2	0	0.00			4	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00			4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

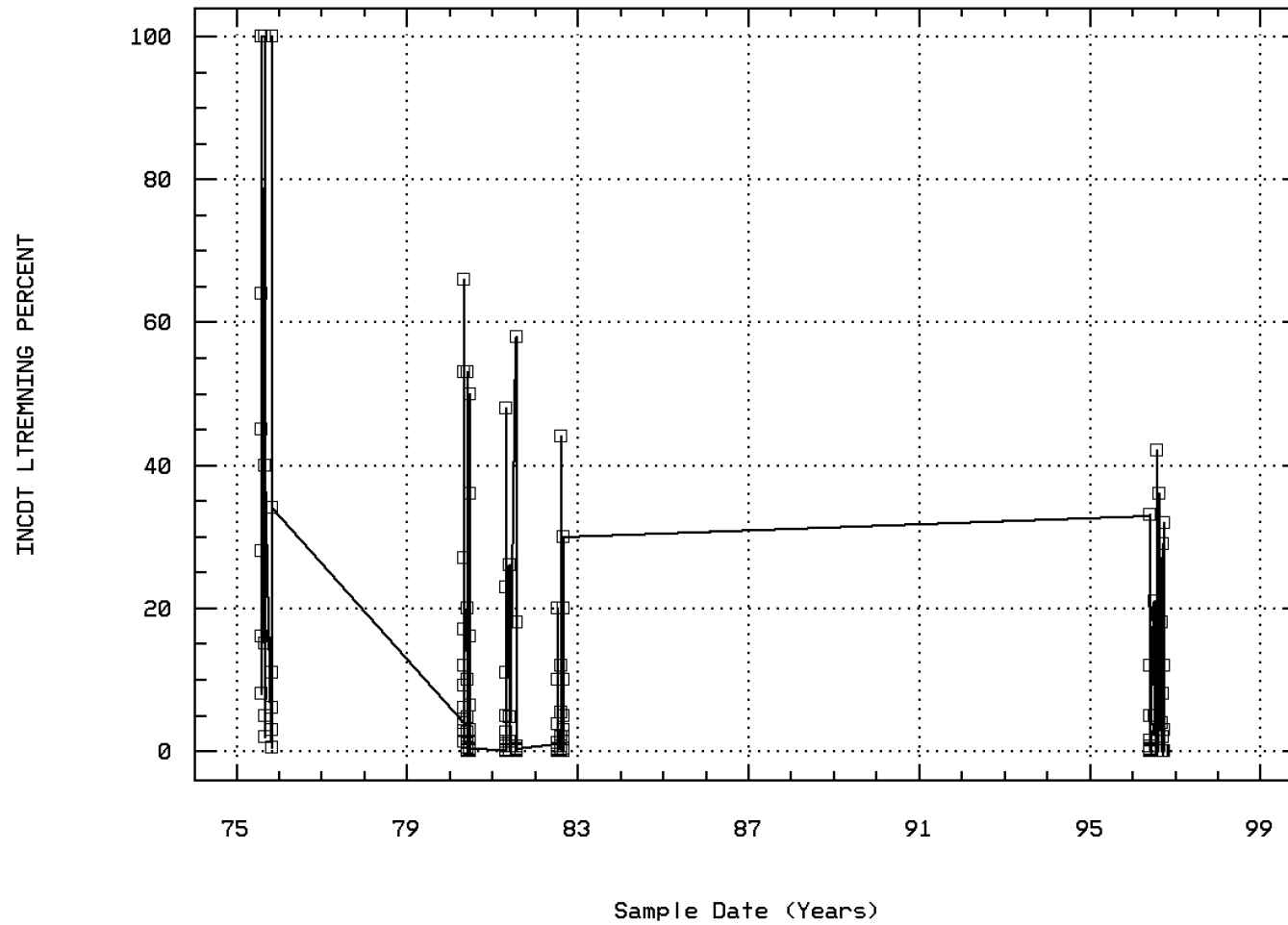
EPA Water Quality Criteria Analysis for Station: HOCU0065

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01005	BARIUM, DISSOLVED	Drinking Water	2000.	8	0	0.00						8	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00						8	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00						8	0	0.00			
		Drinking Water	4.	8	0	0.00						8	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00						8	0	0.00			
		Drinking Water	4.	8	0	0.00						8	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	14	0	0.00						14	0	0.00			
		Drinking Water	5.	14	0	0.00						14	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	19	0	0.00	2	0	0.00			17	0	0.00			
		Drinking Water	5.	19	0	0.00	2	0	0.00			17	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	14	0	0.00						14	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	19	0	0.00	2	0	0.00			17	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00						1	0	0.00			
		Drinking Water	1300.	1	0	0.00						1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	0	0.00						4	0	0.00			
		Drinking Water	1300.	6	0	0.00	2	0	0.00			4	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00						1	0	0.00			
		Drinking Water	15.	1	0	0.00						1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	2	0	0.00			4	0	0.00			
		Drinking Water	15.	6	0	0.00	2	0	0.00			4	0	0.00			
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	2.	1	1	1.00						1	1	1.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	2.	1	1	1.00						1	1	1.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	100.	1	0	0.00						1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	2	0	0.00			4	0	0.00			
		Drinking Water	100.	6	0	0.00	2	0	0.00			4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	20	0	0.00						20	0	0.00			
		Drinking Water	5000.	20	0	0.00						20	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	26	1	0.04	2	0	0.00			24	1	0.04			
		Drinking Water	5000.	26	0	0.00	2	0	0.00			24	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	8	0	0.00						8	0	0.00			
		Drinking Water	6.	0 &	0	0.00											
01097	ANTIMONY, TOTAL	Fresh Acute	88.	8	0	0.00						8	0	0.00			
		Drinking Water	6.	0 &	0	0.00											
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00						2	0	0.00			
		Drinking Water	2.	2	0	0.00						2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00						2	0	0.00			
		Drinking Water	2.	2	0	0.00						2	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	79	51	0.65	27	16	0.59			52	35	0.67			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: HOCU0065 Parameter Code: 00031

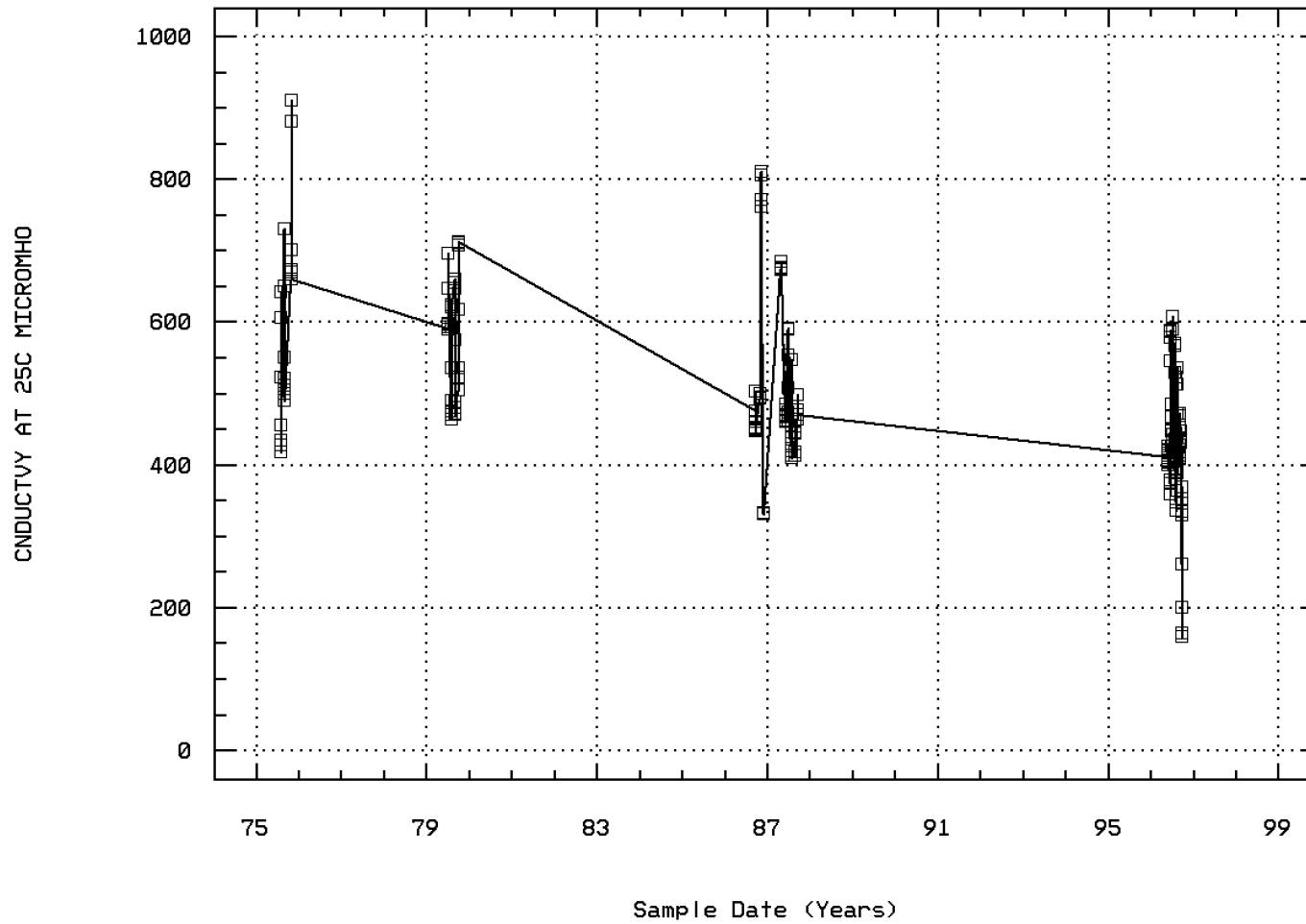
LIGHT, INCIDENT, PERCENT REMAING AT CERT



Paint Creek Lake, Paint Creek arm

Station: HOCU0065 Parameter Code: 00095

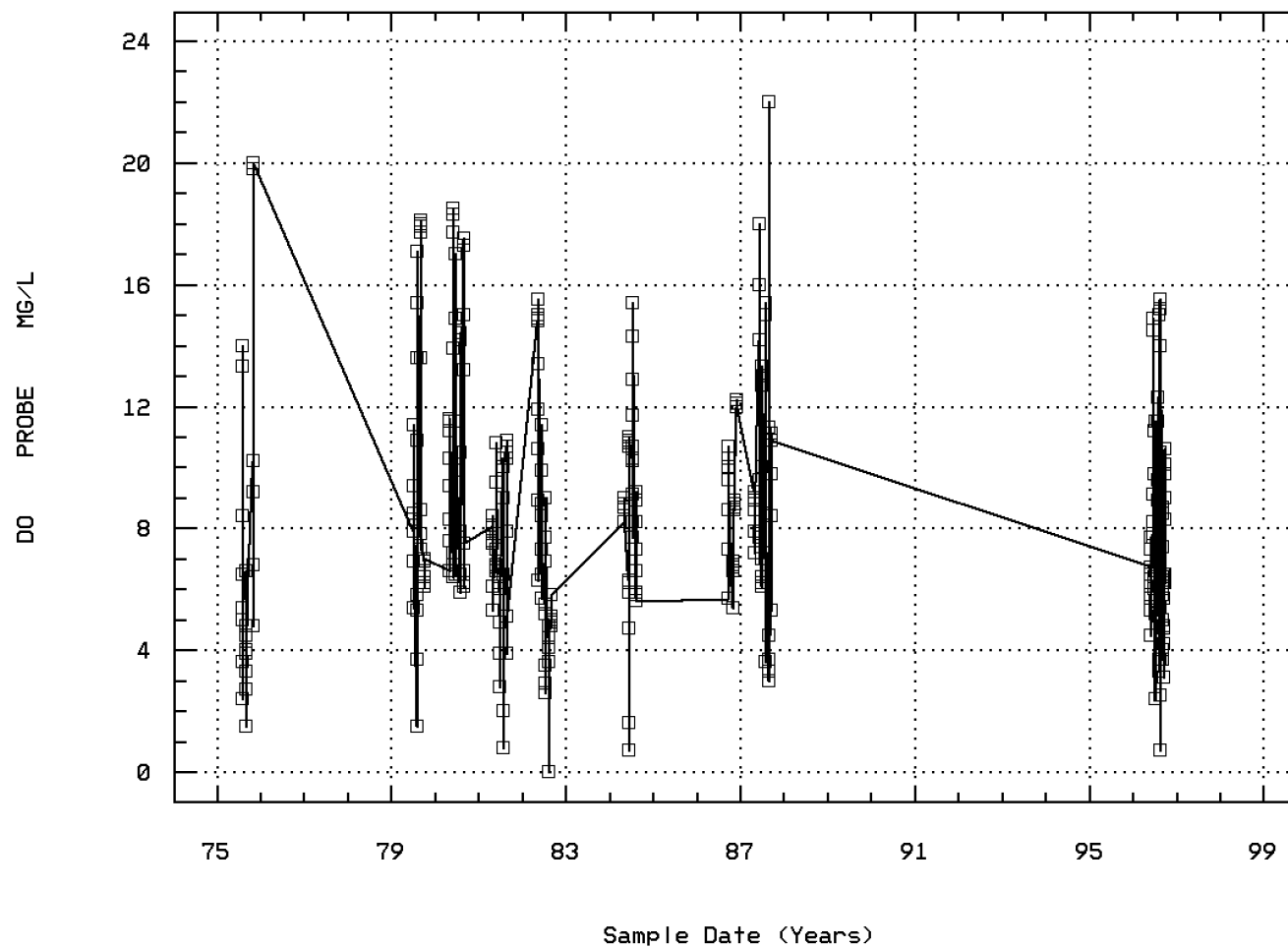
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



Paint Creek Lake, Paint Creek arm

Station: HOCU0065 Parameter Code: 00299

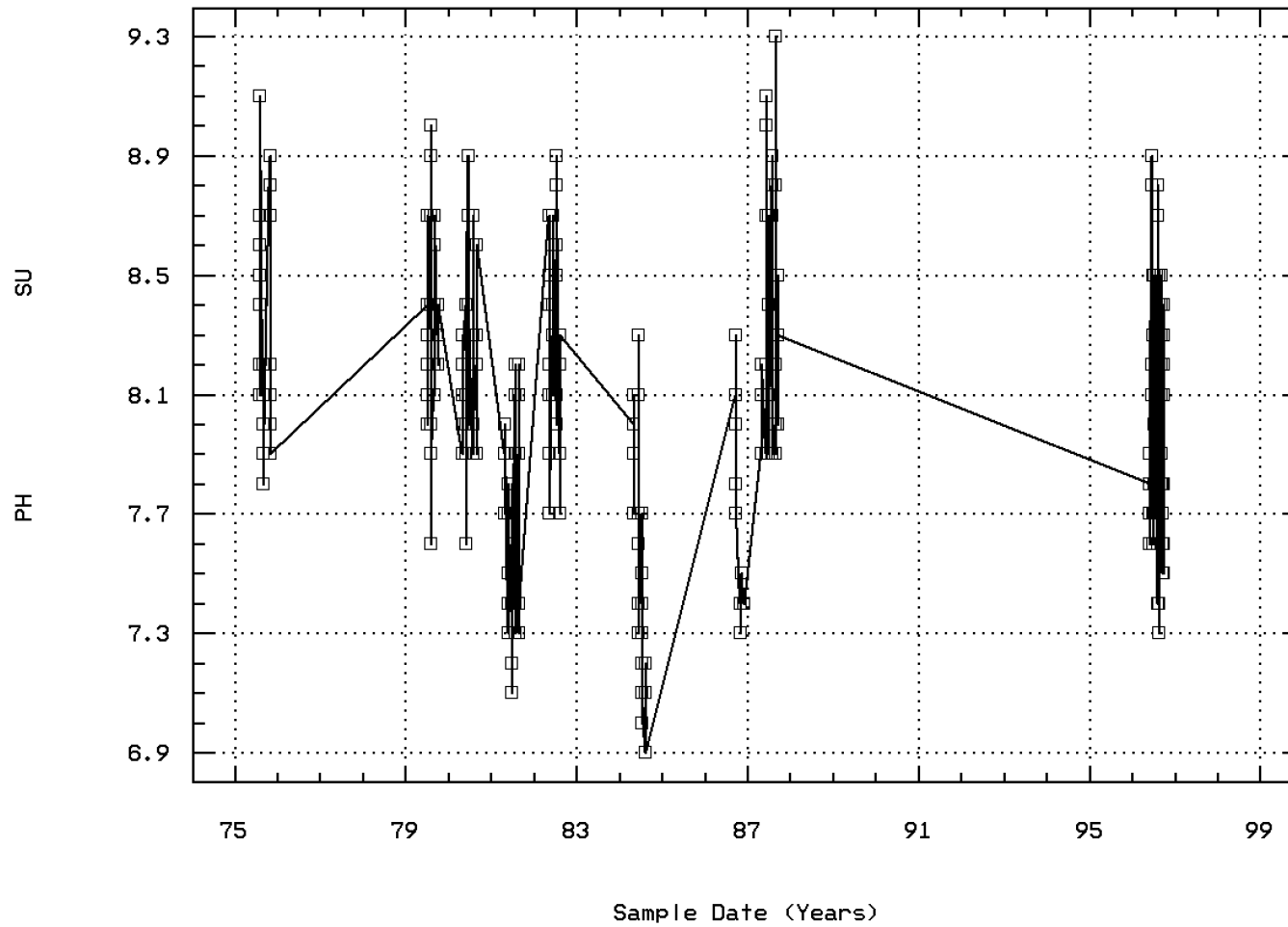
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Paint Creek Lake, Paint Creek arm

Station: HOCU0065 Parameter Code: 00400

PH (STANDARD UNITS)



Paint Creek Lake, Paint Creek arm

Annual Analysis for 1975 - Station HOCU0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	32	5.	6.594	17.	0.	29.217	5.405	0.3	2.	11.5	15.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	23	25.7	22.804	30.9	13.5	32.871	5.733	13.5	16.3	26.3	27.66
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	19	15.	30.5	100.	0.5	1262.694	35.534	1.	3.	45.	100.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	23	550.	588.826	910.	417.	18930.15	137.587	422.	490.	670.	820.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	23	5.4	7.857	20.	1.5	33.063	5.75	2.52	3.9	10.2	19.92
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	23	8.2	8.304	9.1	7.8	0.17	0.412	7.9	7.9	8.7	9.02
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	23	8.2	8.159	9.1	7.8	0.192	0.438	7.9	7.9	8.7	9.02
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	23	0.006	0.007	0.016	0.001	0.	0.005	0.001	0.002	0.013	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	31	6.	6.774	14.	0.	20.714	4.551	0.	2.	10.	13.6
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	31	24.2	23.442	30.	16.4	17.461	4.179	16.5	18.2	26.1	28.66
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	31	26.	23.258	44.	1.2	212.974	14.594	1.8	11.	38.	40.8
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	31	260.	261.452	289.	240.	213.656	14.617	242.2	244.	270.	284.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	31	593.	582.129	712.	464.	6974.049	83.511	469.6	489.	647.	710.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	31	7.8	9.445	18.1	1.5	21.697	4.658	5.32	6.2	13.6	17.86
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	31	8.3	8.342	9.	7.6	0.097	0.311	7.92	8.1	8.6	8.7
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	31	8.3	8.234	9.	7.6	0.108	0.329	7.92	8.1	8.6	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	31	0.005	0.006	0.025	0.001	0.	0.005	0.002	0.003	0.008	0.012

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	69	5.	6.072	15.	0.	20.392	4.516	0.	2.	10.	12.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	39	23.5	21.782	29.	11.6	29.802	5.459	12.5	18.2	26.4	27.3
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	28	5.4	14.407	66.	0.	374.207	19.344	0.09	1.125	19.25	53.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	24	24.5	29.358	87.	0.5	747.157	27.334	0.7	2.475	49.5	76.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-08/14/84	39	613.	562.487	696.	354.	11811.256	108.68	411.	459.	655.	679.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	39	9.4	10.482	18.5	5.9	17.408	4.172	6.4	6.6	14.2	17.5
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	39	8.1	8.185	8.9	7.6	0.08	0.283	7.9	8.	8.4	8.6
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	39	8.1	8.105	8.9	7.6	0.087	0.295	7.9	8.	8.4	8.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	39	0.008	0.008	0.025	0.001	0.	0.005	0.003	0.004	0.01	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	84	6	6	18	0	18.12	4.257	0.5	2.25	9	12
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	37	23.3	21.749	27	13.8	17.84	4.224	17.3	17.6	25.55	26.74
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	21	1.4	9.605	58	0	272.06	16.494	0	0.15	14.5	43.6
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	23	19	24.27	70	0	532.174	23.069	0	0.1	45	58.6
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	30	134.5	161.133	333	1	7597.361	87.163	82.8	110.25	176.5	315.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/30/80-08/14/84	37	542	551.973	683	411	8100.471	90.003	415.6	490.5	625.5	671.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	37	6.8	7.089	10.9	0.8	6.048	2.459	3.68	6.05	8.7	10.54
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	37	7.8	7.705	8.2	7.1	0.115	0.339	7.3	7.35	8	8.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	37	7.8	7.581	8.2	7.1	0.131	0.362	7.3	7.35	8.	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	37	0.016	0.026	0.079	0.006	0.	0.02	0.008	0.01	0.045	0.05
82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-09/23/87	37	50.	122.838	450.	20.	18014.64	134.219	25.	30.	210.	360.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	55	6.	6.855	20.	0.	28.682	5.356	0.	2.	12.	14.8
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	41	24.2	24.332	30.3	17.3	10.241	3.2	19.68	22.2	27.05	28.14
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	26	1.6	6.596	44.	0.	117.508	10.84	0.	0.175	10.	23.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	41	34.	32.834	66.	3.	240.028	15.493	8.	24.	40.	58.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	9	192.	187.778	210.	161.	259.444	16.107	161.	172.5	200.5	210.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/30/80-08/14/84	41	523.	529.146	744.	431.	7670.428	87.581	434.2	438.5	603.	651.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	41	5.5	6.876	15.5	0.	15.628	3.953	2.66	4.6	8.95	14.52
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	32	8.3	8.334	8.9	7.7	0.106	0.326	7.9	8.1	8.675	8.77
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	32	8.3	8.217	8.9	7.7	0.12	0.347	7.9	8.1	8.675	8.77
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	32	0.005	0.006	0.02	0.001	0.	0.005	0.002	0.002	0.008	0.013
82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-09/23/87	41	15.	22.195	60.	10.	121.311	11.014	15.	15.	27.5	39.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	43	8.	7.977	18.	0.	32.023	5.659	0.	2.	12.	16.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	37	22.8	21.927	27.3	12.7	15.276	3.909	17.08	18.3	25.35	26.34
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	37	24.	21.957	38.	0.9	120.158	10.962	4.56	12.	32.	34.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	37	353.	343.892	388.	271.	1072.432	32.748	292.6	310.	368.	380.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/30/80-08/14/84	37	540.	562.351	673.	477.	4643.401	68.143	479.6	498.5	644.	659.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	37	8.7	8.478	15.4	0.7	8.767	2.961	5.42	6.45	10.5	11.94
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	37	7.4	7.514	8.3	6.9	0.19	0.436	6.98	7.1	8.	8.1
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	37	7.4	7.332	8.3	6.9	0.224	0.473	6.98	7.1	8.	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	37	0.04	0.047	0.126	0.005	0.001	0.038	0.008	0.01	0.079	0.105
82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-09/23/87	37	82.	122.162	380.	28.	11110.029	105.404	29.8	39.	185.	304.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	22	4.	4.727	12.	0.	12.779	3.575	0.	2.	8.	10.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	22	14.85	13.955	24.2	4.6	62.461	7.903	4.7	4.7	23.675	24.17
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	22	0.	0.091	0.5	0.	0.02	0.141	0.	0.	0.125	0.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	22	467.5	492.864	810.	331.	24397.552	156.197	331.3	332.	500.75	794.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	22	8.85	9.191	12.2	5.4	5.254	2.292	5.97	6.875	12.	12.17
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	22	7.45	7.605	8.3	7.3	0.09	0.3	7.4	7.4	7.85	8.1
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	22	7.447	7.529	8.3	7.3	0.096	0.31	7.4	7.4	7.85	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	22	0.036	0.03	0.05	0.005	0.	0.014	0.008	0.014	0.04	0.04
82537	TURBIDITY,FORWARD SCATTER JTU	04/29/81-09/23/87	21	90.	302.143	900.	70.	110721.429	332.748	70.	80.	750.	836.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	41	6.	6.	14.	0.	17.8	4.219	0.	2.	10.	12.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	41	22.9	23.098	30.2	15.3	19.883	4.459	16.12	20.45	27.5	28.48
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	41	0.	1.593	10.2	0.	10.463	3.235	0.	0.	1.5	9.76
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	34	213.	212.882	300.	122.	1868.652	43.228	157.5	184.	237.25	281.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	41	467.	504.829	684.	410.	7793.395	88.28	418.2	454.	550.	674.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	41	8.6	9.376	22.	3.	16.759	4.094	3.86	7.	11.2	15.32
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	41	8.2	8.32	9.3	7.9	0.15	0.387	7.9	7.9	8.7	8.88
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	41	8.2	8.185	9.3	7.9	0.169	0.411	7.9	7.9	8.7	8.88
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	41	0.006	0.007	0.013	0.001	0.	0.004	0.001	0.002	0.013	0.013
82537	TURBIDITY, FORWARD SCATTER JTU	04/29/81-09/23/87	41	150.	221.463	900.	35.	51100.305	226.054	35.	70.	250.	670.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

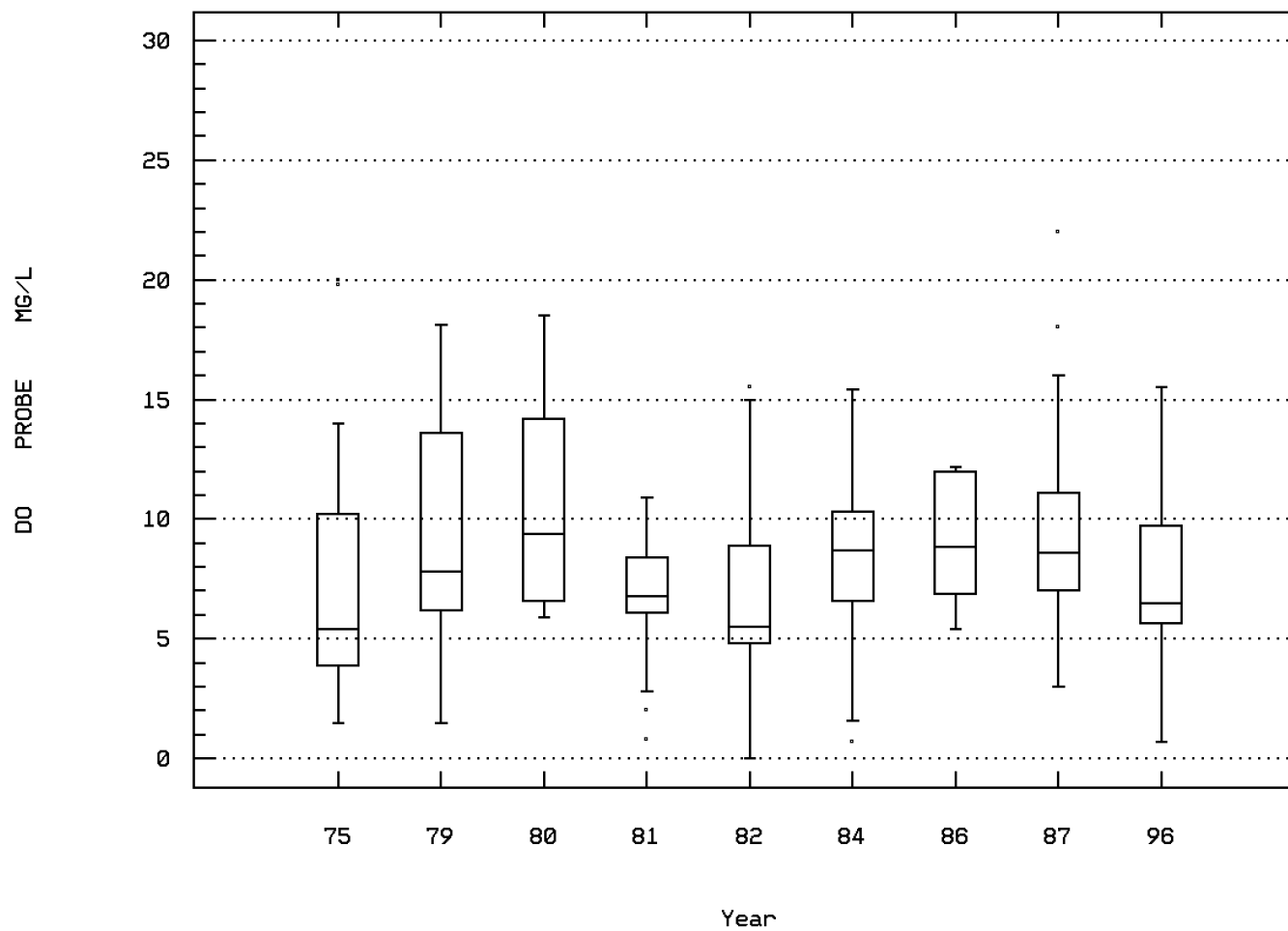
Annual Analysis for 1996 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	85	7.	7.8	36.	0.	50.233	7.088	0.	3.	10.	13.8
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	80	23.3	22.934	30.9	15.1	15.856	3.982	16.92	20.3	26.	27.5
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	34	3.5	9.397	42.	0.	147.227	12.134	0.	0.6	13.5	32.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	80	409.	411.938	490.	343.	1320.211	36.335	364.1	387.	443.5	459.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	80	420.	423.825	608.	159.	6965.387	83.459	336.9	393.5	448.5	544.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	80	6.5	7.698	15.5	0.7	12.02	3.467	3.73	5.625	9.75	14.45
00400p	PH (STANDARD UNITS)	07/30/75-09/30/96	80	7.8	7.995	8.9	7.3	0.152	0.39	7.6	7.7	8.3	8.5
00400p	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	80	7.8	7.852	8.9	7.3	0.173	0.416	7.6	7.7	8.3	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	80	0.016	0.014	0.05	0.001	0.	0.01	0.003	0.005	0.02	0.025

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Station: HOCU0065 Parameter Code: 00299

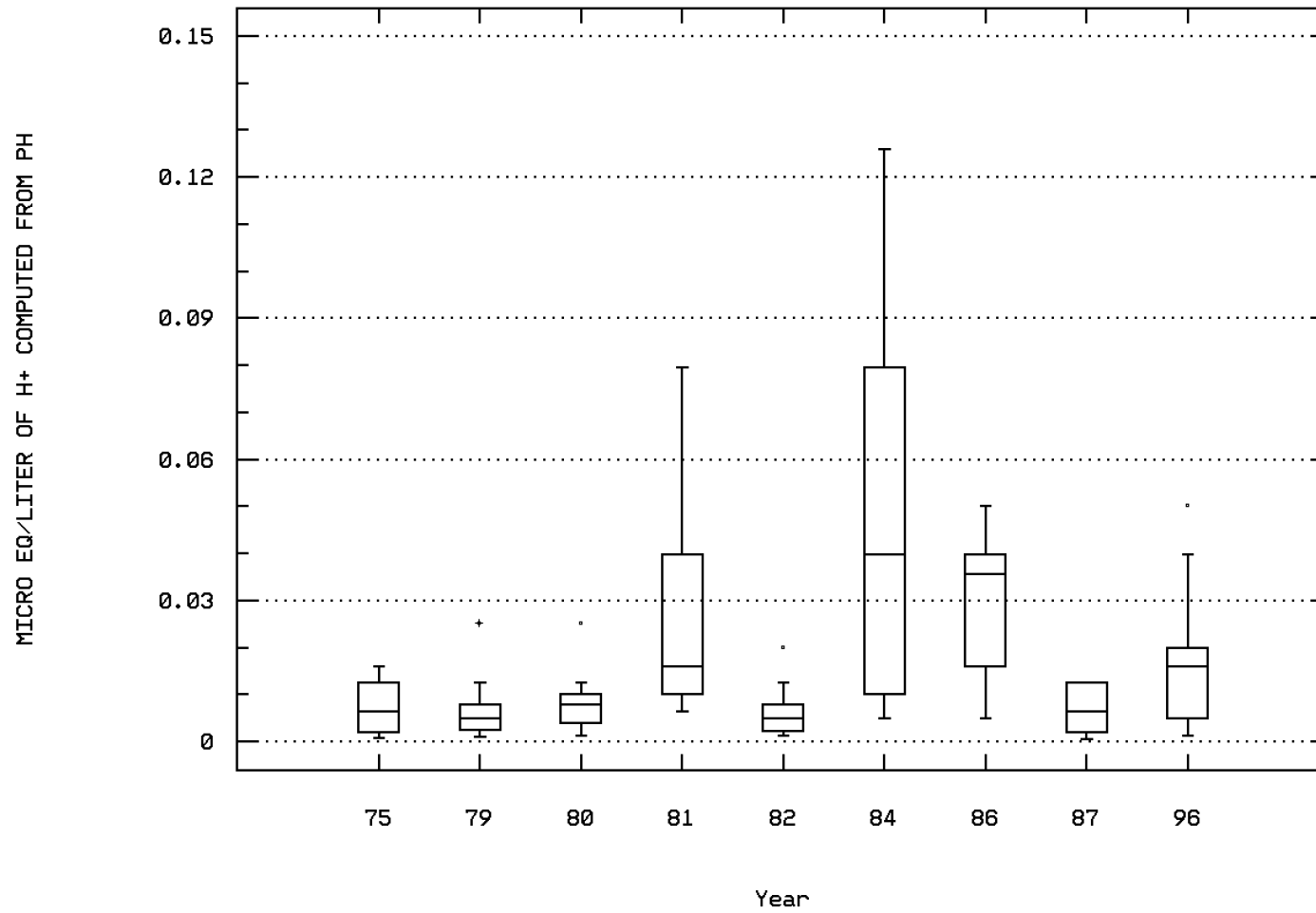
OXYGEN, DISSOLVED, ANALYSIS BY PROBE



Paint Creek Lake, Paint Creek arm

Station: HOCU0065 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



Paint Creek Lake, Paint Creek arm

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	71	6.	6.324	17.	0.	20.365	4.513	0.	2.	10.	12.8
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	68	21.3	21.541	26.3	14.8	13.706	3.702	15.69	18.4	24.95	25.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	20	24.	23.35	30.	15.	40.976	6.401	15.	15.5	30.	30.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	18	4.5	15.111	100.	0.	598.34	24.461	0.	1.	20.75	46.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	33	0.5	10.815	40.	0.	228.996	15.133	0.	0.	27.	38.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	48	393.	353.021	490.	240.	7827.34	88.472	243.	256.25	420.25	458.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	68	469.	473.5	730.	159.	13880.94	117.817	333.5	430.25	508.5	655.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	68	6.65	7.538	18.1	1.5	11.964	3.459	3.99	5.7	8.925	10.92
00400	PH (STANDARD UNITS)	07/30/75-09/30/96	68	8.1	8.046	8.7	7.3	0.129	0.359	7.5	7.8	8.3	8.5
00400	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	68	8.1	7.899	8.7	7.3	0.151	0.388	7.5	7.8	8.3	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	68	0.008	0.013	0.05	0.002	0.	0.011	0.003	0.005	0.016	0.032
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	10	156.	153.2	176.	132.	170.844	13.071	132.8	143.	161.	174.8
82537	TURBIDITY, FORWARD SCATTER JTU	04/29/81-09/23/87	16	92.5	120.625	240.	70.	2929.583	54.126	70.	76.25	150.	212.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	20	4.	5.05	15.	0.	17.839	4.224	0.	2.	7.75	11.8
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	17	9.4	9.812	16.3	4.6	20.712	4.551	4.68	4.7	13.6	16.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	6	3.	5.667	19.	3.	42.667	6.532	**	**	**	**
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	6	8.5	25.75	100.	0.5	1468.775	38.325	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	10	0.	0.01	0.1	0.	0.001	0.032	0.	0.	0.	0.09
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	17	670.	605.235	910.	331.	48413.941	220.032	331.	332.	788.	886.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	17	12.	11.671	20.	4.8	19.96	4.468	6.4	8.75	12.2	20.
00400	PH (STANDARD UNITS)	07/30/75-09/30/96	17	7.5	7.824	8.9	7.4	0.289	0.538	7.4	7.4	8.15	8.82
00400	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	17	7.5	7.621	8.9	7.4	0.333	0.577	7.4	7.4	8.15	8.82
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	17	0.032	0.024	0.04	0.001	0.	0.016	0.002	0.007	0.04	0.04
82537	TURBIDITY, FORWARD SCATTER JTU	04/29/81-09/23/87	10	750.	521.5	900.	85.	140572.5	374.93	85.	88.75	825.	894.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/30/75-09/30/96	371	6.	6.811	36.	0.	29.802	5.459	0.	2.	10.	14.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/75-09/30/96	266	24.	23.201	30.9	11.6	18.935	4.351	17.1	20.225	26.6	27.73
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/30/75-09/30/96	20	29.5	28.45	36.	16.	27.629	5.256	20.1	25.	32.75	34.9
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/30/75-09/30/96	104	3.	12.011	100.	0.	340.003	18.439	0.	0.4	16.75	43.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/10/79-09/23/87	176	20.5	21.89	87.	0.	384.274	19.603	0.	1.85	34.75	46.3
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/10/79-09/30/96	174	308.	291.144	463.	1.	11821.523	108.727	133.	194.25	373.75	417.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/75-09/30/96	112	461.5	487.045	696.	336.	8084.962	89.916	396.5	417.25	563.	622.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/75-09/30/96	266	7.7	8.389	22.	0.	15.231	3.903	3.84	5.8	10.7	14.83
00400	PH (STANDARD UNITS)	07/30/75-09/30/96	257	8.1	8.041	9.3	6.9	0.233	0.483	7.3	7.75	8.3	8.7
00400	CONVERTED PH (STANDARD UNITS)	07/30/75-09/30/96	257	8.1	7.775	9.3	6.9	0.304	0.552	7.3	7.75	8.3	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/75-09/30/96	257	0.008	0.017	0.126	0.001	0.	0.022	0.002	0.005	0.018	0.05
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	04/30/80-09/30/96	47	195.	203.596	457.	108.	5323.724	72.964	133.6	152.	250.	280.2
82537	TURBIDITY, FORWARD SCATTER JTU	04/29/81-09/23/87	151	50.	120.894	900.	10.	26013.255	161.286	15.	29.	140.	350.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: HOCU0066

NPS Station ID: HOCU0066

Location: PLUM RUN OF PAINT CK

Station Type: /TYPA/AMBNT/LAKE

RMI-Indexes: 1021500 007720 13190 1110 0050

RMI-Miles: 0953.80 0624.60 063.80 038.00 001.75

HUC: 05060003

Major Basin: OHIO RIVER

Minor Basin: SCIOTO RIVER

RF1 Index: 05060003

RF3 Index: 05060003002402.70

Description:
LOCATED ON PLUM RUN 1.75 MILES ABOVE THE MOUTH AT BRIDGE. BRIDGE ON UNNA MED ROAD NORTH FROM RT 50. SAMPLED BY THE CORPS OF ENGRS HUNTINGTON Rai
nsboro OH Quad. HIGHLAND COUNTY

LAT/LON: 39.239448/ -83.388892

Depth of Water: 5

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 6.51

Agency: 11COEHUN

FIPS State/County: 39071 OHIO/HIGHLAND

STORET Station ID(s): 1PCSW0023

Within Park Boundary: No

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.02

Date Created: 12/06/80

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: HOCU0066

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003 SAMPLING STATION LOCATION, VERTICAL (FEET)	08/25/80-09/17/80	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/80-09/17/80	5	19.5	20.8	27.	18.	13.325	3.65	**	**	**	**
31501 COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,35C	08/25/80-09/17/80	6	4025.	19591.667	73500.	1750.	839185416.667	28968.697	**	**	**	**
31501 LOG COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,	08/25/80-09/17/80	6	3.592	3.841	4.866	3.243	0.473	0.688	**	**	**	**
31501 GM COLIFORM,TOT, MEMBRANE FILTER, IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6938.295								
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/80-09/17/80	6	975.	18608.333	83000.	350.	1097961416.667	33135.501	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/80-09/17/80	6	2.954	3.388	4.919	2.544	1.052	1.026	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			2445.938								
31679 FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	08/25/80-09/17/80	6	1075.	15008.333	49000.	700.	491810416.667	22176.799	**	**	**	**
31679 LOG FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C,	08/25/80-09/17/80	6	3.03	3.503	4.69	2.845	0.774	0.88	**	**	**	**
31679 GM FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 4	GEOMETRIC MEAN =			3180.682								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0066

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	6	1.00	5	5	1.00				1	1	1.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	6	1.00	5	5	1.00				1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0067

NPS Station ID: HOCU0067
 Location: PAINT CREEK LAKE L-2
 Station Type: /TYPA/AMBNT/LAKE/BIO
 RMI-Indexes:
 RMI-Miles:
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003
 RF3 Index: 05060002092000.00
 Description:

LAT/LON: 39.266948/ -83.392226

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.000
 RF3 Mile Point: 0.11

Agency: 21OHIO
 FIPS State/County: 39071 OHIO/HIGHLAND
 STORET Station ID(s): OH4201-186L-2
 Within Park Boundary: No

Date Created: 02/19/94

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 6.30
 Distance from RF3: 0.10

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: HOCU0067

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	08/03/92-05/25/93	6	9.5	10.	20.	2.	78.	8.832	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/25/92	3	23.5	22.833	24.5	20.5	4.333	2.082	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	2	493.5	493.5	590.	397.	18624.5	136.472	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/25/92	3	13.6	11.	14.	5.4	23.56	4.854	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/03/92-05/25/93	4	3.15	3.275	5.4	1.4	4.503	2.122	**	**	**
00400	PH (STANDARD UNITS)	08/03/92-08/25/92	3	8.73	8.517	8.86	7.96	0.237	0.486	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/03/92-08/25/92	3	8.73	8.325	8.86	7.96	0.292	0.54	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-08/25/92	3	0.002	0.005	0.011	0.001	0.	0.005	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	08/03/92-05/25/93	6	201.5	199.5	247.	150.	1536.3	39.196	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/03/92-05/25/93	4	23.5	38.25	95.	11.	1466.25	38.292	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/03/92-05/25/93	6 ##	0.063	0.101	0.31	0.025	0.012	0.111	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/03/92-05/25/93	6	0.09	0.09	0.11	0.07	0.	0.019	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/92-05/25/93	6	0.75	0.7	0.8	0.5	0.016	0.126	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/03/92-05/25/93	6	4.57	4.217	5.63	2.28	2.294	1.515	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/03/92-05/25/93	6	0.086	0.085	0.11	0.07	0.	0.015	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/03/92-05/25/93	4	281.5	274.5	320.	215.	2131.	46.163	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	08/03/92-05/25/93	6	61.	59.667	77.	40.	175.867	13.261	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/03/92-05/25/93	4	29.5	28.	31.	22.	18.	4.243	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/93-05/25/93	2	39.	39.	42.	36.	18.	4.243	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/03/92-05/25/93	6 ##	1.	1.333	2.	1.	0.267	0.516	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/03/92-05/25/93	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/92-05/25/93	6 ##	15.	15.	15.	15.	0.	0.	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/03/92-05/25/93	6 ##	5.	5.	5.	5.	0.	0.	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/03/92-05/25/93	6 ##	1.	1.333	3.	1.	0.667	0.816	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-05/25/93	4	41.5	58.25	139.	11.	3178.25	56.376	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/03/92-05/25/93	4	1045.5	1036.25	1290.	764.	49000.25	221.36	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/03/92-05/25/93	6 ##	8.5	27.167	117.	5.	1968.167	44.364	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/92-05/25/93	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	08/25/92-05/25/93	2 ##	0.849	0.849	1.	0.699	0.045	0.213	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			7.071							
31648	E. COLI - MTEC-MF N0/100ML	05/25/93-05/25/93	1	10.	10.	10.	10.	0.	0.	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	05/25/93-05/25/93	1	1.	1.	1.	1.	0.	0.	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			10.							
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	08/03/92-05/25/93	4	340.	334.5	366.	292.	955.667	30.914	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0067

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00						3	0	0.00			
00400	PH	Fresh Chronic	9.	3	0	0.00						3	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00						3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00						6	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00						6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00						2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00						6	0	0.00			
		Drinking Water	50.	6	0	0.00						6	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00						6	0	0.00			
		Drinking Water	5.	6	0	0.00						6	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00						6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	0	0.00						6	0	0.00			
		Drinking Water	1300.	6	0	0.00						6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00						6	0	0.00			
		Drinking Water	15.	6	0	0.00						6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00						6	0	0.00			
		Drinking Water	5000.	6	0	0.00						6	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00						2	0	0.00			
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: HOCU0068

NPS Station ID: HOCU0068
 Location: PAINT CREEK RESERVOIR OH
 Station Type: /TYPA/AMBNT/LAKE
 RMI-Indexes: 1021500 007720 13190 1110
 RMI-Miles: 0953.80 0624.60 063.80 041.10
 HUC: 05060003
 Major Basin: OHIO RIVER
 Minor Basin: SCIOTO RIVER
 RF1 Index: 05060003024
 RF3 Index: 05060003002401.58
 Description:

LAT/LON: 39.268448/ -83.394310

Depth of Water: 35
 Elevation: 0

RF1 Mile Point: 5.580
 RF3 Mile Point: 1.57

Agency: 11COEHUN
 FIPS State/County: 39141 OHIO/ROSS
 STORET Station ID(s): 1PCS0017
 Within Park Boundary: No

Date Created: 05/19/76

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.05

On/Off RF1: ON
 On/Off RF3:

LOCATED IN PAINT CR LAKE AT THE MOUTH OF RATTLESNAKE CR, GREENFIELD OHIO QUAD. SAMPLED BY ARMY CORPS OF ENGRS HUNTINGTON WV 304-529-5694
 HIGHLAND COUNTY

Parameter Inventory for Station: HOCU0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	553	8.	9.441	30.	0.	47.374	6.883	0.	4.	14.	18.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	433	23.9	22.323	30.7	3.7	29.139	5.398	14.44	20.	26.2	27.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	34	27.5	26.794	37.	7.	50.653	7.117	15.5	22.75	33.	35.
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	79	8.	19.086	100.	0.	668.362	25.853	0.1	1.	28.	60.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	343	2.	9.099	98.	0.	261.552	16.173	0.	0.1	8.7	35.6
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	9	42.	48.889	94.	16.	867.111	29.447	16.	21.	78.	94.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	33	24.	22.182	39.	1.	85.778	9.262	9.8	15.	27.	34.6
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	265	218.	219.581	362.	-38.	4867.873	69.77	117.	187.	259.5	316.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	124	523.5	513.992	626.	54.	6564.642	81.022	415.5	477.25	562.5	613.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	300	477.	501.133	810.	343.	6552.33	80.946	415.3	438.	557.	619.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	433	7.	7.346	22.	0.	20.571	4.536	1.04	4.1	10.1	13.26
00400	PH (STANDARD UNITS)	423	8.	8.023	9.2	7.	0.231	0.48	7.4	7.7	8.4	8.7
00400	CONVERTED PH (STANDARD UNITS)	423	8.	7.784	9.2	7.	0.288	0.537	7.4	7.7	8.4	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	423	0.01	0.016	0.1	0.001	0.	0.018	0.002	0.004	0.02	0.04
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	22	159.	153.955	259.	17.	1979.379	44.49	118.3	132.25	168.25	201.
00500	RESIDUE, TOTAL (MG/L)	23	358.	363.739	529.	102.	8912.565	94.406	268.8	316.	420.	509.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	23	317.	316.565	473.	86.	7358.893	85.784	206.4	274.	366.	441.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	23	25.	47.826	211.	5.	3017.332	54.93	5.	5.	93.	124.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	90 ##	0.05	0.236	1.7	0.05	0.129	0.359	0.05	0.05	0.3	0.89
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	90	0.7	0.892	3.3	0.05	0.434	0.659	0.4	0.5	1.025	1.99
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	90	3.95	3.837	11.2	0.05	7.327	2.707	0.7	1.2	6.4	7.49
00665	PHOSPHORUS, TOTAL (MG/L AS P)	80	0.067	0.079	0.32	0.005	0.003	0.056	0.02	0.045	0.094	0.161
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	6 ##	0.013	0.014	0.03	0.005	0.	0.011	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	6	6.	6.167	8.	4.	2.567	1.602	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	22	215.5	208.557	325.	0.25	4516.345	67.204	128.1	174.25	246.	293.
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	3	11.	11.333	13.	10.	2.333	1.528	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS Ca)	23	38.	39.996	71.	0.5	221.951	14.898	21.	35.	47.2	63.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	3	21.	20.333	22.	18.	4.333	2.082	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	23	30.	26.97	36.	0.5	60.917	7.805	18.	22.	33.	33.
00929	SODIUM, TOTAL (MG/L AS NA)	23	8.	6.93	10.	0.5	6.444	2.539	2.408	6.	8.	10.
00930	SODIUM, DISSOLVED (MG/L AS NA)	3	7.	6.667	7.	6.	0.333	0.577	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	6	2.	2.532	4.6	1.69	1.234	1.111	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: HOCU0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	05/29/80-09/23/87	26	23.	22.577	31.	1.	56.414	7.511	10.4	19.	29.	30.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/80-09/23/87	26	38.5	37.904	53.	2.5	104.2	10.208	28.7	34.	46.	51.6
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/10/83-08/10/83	3	28.	29.	33.	26.	13.	3.606	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/10/83-09/23/87	20	70.	68.35	140.	5.	997.082	31.577	40.	40.	80.	120.2
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/10/83-08/10/83	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/10/83-09/23/87	20 ##	5.	15.2	72.	5.	586.589	24.22	5.	5.	5.	71.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/29/80-06/26/80	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/80-06/26/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/29/80-06/26/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/80-06/26/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/29/80-09/23/87	23	400.	1002.609	5200.	50.	1821656.522	1349.688	50.	100.	1400.	3460.
01046	IRON, DISSOLVED (UG/L AS FE)	05/29/80-08/10/83	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/80-09/23/87	23	100.	139.565	720.	5.	34008.893	184.415	5.	20.	160.	500.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/29/80-08/10/83	6	50.	100.	390.	5.	21790.	147.614	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/29/80-08/10/83	6 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/29/80-09/23/87	23 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/10/83-08/10/83	3 ##	50.	66.667	100.	50.	833.333	28.868	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/10/83-08/10/83	3	200.	200.	200.	200.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/83-09/23/87	20	530.	1033.5	5800.	60.	2105181.842	1450.924	72.	135.	1217.5	3365.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/10/83-08/10/83	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/29/80-09/29/87	83	46.35	46.753	155.05	3.38	609.044	24.679	13.28	33.72	57.31	69.178
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-09/29/87	71	31.27	35.826	143.05	2.66	579.347	24.07	6.082	22.69	46.67	58.65
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/29/80-09/29/87	83	2.2	2.76	10.27	0.5	5.118	2.262	0.5	0.5	4.07	5.756
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/80-09/29/87	71	11.94	14.296	53.03	0.5	98.448	9.922	2.01	8.7	18.4	29.886
32219	PHEOPHYTIN RATIO(OD 663)/SPECTRO,BEFORE/AFTER ACID	05/29/80-09/29/87	70	1.5	1.491	1.7	1.2	0.012	0.11	1.3	1.4	1.6	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/26/80-08/26/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/26/80-08/26/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	04/29/81-08/10/83	25	0.2	0.476	2.6	0.	0.432	0.657	0.	0.05	0.65	1.54
82537	TURBIDITY, FORWARD SCATTER JTU	04/29/81-09/23/87	307	80.	130.795	1000.	0.	22622.961	150.409	30.	50.	150.	292.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: HOCU0068

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	4	0.44						9	4	0.44			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	433	108	0.25	56	15	0.27	12	0	0.00	365	93	0.25		
00400	PH	Fresh Chronic	9.	423	8	0.02	56	0	0.00	12	0	0.00	355	8	0.02		
		Other-Lo Lim.	6.5	423	0	0.00	56	0	0.00	12	0	0.00	355	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	90	1	0.01	17	0	0.00				73	1	0.01		
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	3	0	0.00				23	0	0.00		
		Drinking Water	250.	26	0	0.00	3	0	0.00				23	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	3	0	0.00				23	0	0.00		
01005	BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00							3	0	0.00		
01007	BARIUM, TOTAL	Drinking Water	2000.	20	0	0.00	3	0	0.00				17	0	0.00		
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	3	0	0.00							3	0	0.00		
		Drinking Water	4.	3	0	0.00							3	0	0.00		
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	20	0	0.00	3	0	0.00				17	0	0.00		
		Drinking Water	4.	4 &	4	1.00	1	1	1.00				3	3	1.00		
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00							2	0	0.00		
		Drinking Water	5.	2	0	0.00							2	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00							2	0	0.00		
		Drinking Water	5.	2	0	0.00							2	0	0.00		
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00							2	0	0.00		
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00							2	0	0.00		
01090	ZINC, DISSOLVED	Fresh Acute	120.	6	0	0.00							6	0	0.00		
		Drinking Water	5000.	6	0	0.00							6	0	0.00		
01092	ZINC, TOTAL	Fresh Acute	120.	23	0	0.00	3	0	0.00				20	0	0.00		
		Drinking Water	5000.	23	0	0.00	3	0	0.00				20	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: HOCU0068

Parameter	Std. Type	Std. Value	Total		Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	3	1	0.33							3	1	0.33			
	Drinking Water	6.	1 &	1	1.00							1	1	1.00			
01097 ANTIMONY, TOTAL	Fresh Acute	88.	3	3	1.00							3	3	1.00			
	Drinking Water	6.	3	3	1.00							3	3	1.00			
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1975 - Station HOCU0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	61	10.	11.033	30.	0.	83.632	9.145	1.	3.	25.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	46	23.4	21.565	30.7	12.2	29.909	5.469	12.9	14.5	27.32
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	10	31.5	30.	58.	1.	441.333	21.008	1.4	8.	57.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	46	7.5	6.233	13.2	0.	18.007	4.243	0.07	2.075	11.63
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	46	8.1	8.143	9.1	7.3	0.239	0.489	7.5	7.7	8.8
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	46	8.1	7.904	9.1	7.3	0.298	0.546	7.5	7.7	8.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	46	0.008	0.012	0.05	0.001	0.	0.013	0.002	0.003	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station HOCU0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	61	8.	9.459	24.	0.	50.386	7.098	0.	3.5	20.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	48	23.65	23.444	28.9	17.9	7.968	2.823	18.77	21.325	27.02
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	31	16.	26.658	98.	0.	796.985	28.231	0.72	2.6	75.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	48	5.9	7.913	18.2	2.4	19.802	4.45	3.25	11.325	15.83
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	48	7.75	7.965	8.7	7.5	0.155	0.393	7.6	7.7	8.61
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	48	7.747	7.833	8.7	7.5	0.172	0.415	7.6	7.7	8.61
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	48	0.018	0.015	0.032	0.002	0.	0.009	0.002	0.004	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station HOCU0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	73	10.	11.068	26.	0.	61.509	7.843	1.	4.	22.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	65	22.9	21.068	26.9	12.3	20.066	4.479	14.86	17.	26.2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	38	18.	26.129	66.	0.	530.344	23.029	0.	0.35	56.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	65	6.8	6.309	12.4	0.	9.939	3.153	1.26	3.9	9.74
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	65	7.5	7.618	8.3	7.	0.155	0.393	7.16	7.3	8.1
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	65	7.5	7.466	8.3	7.	0.178	0.422	7.16	7.3	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	65	0.032	0.034	0.1	0.005	0.001	0.026	0.008	0.01	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station HOCU0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	1	0.	0.	0.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	1	21.5	21.5	21.5	21.5	0.	0.	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station HOCU0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	14	7.	8.5	20.	0.	43.346	6.584	0.5	2.75	19.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	10	27.05	26.71	28.	24.5	1.317	1.147	24.6	25.8	27.98
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	10	26.	21.	44.	1.	315.778	17.77	1.	1.	43.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station HOCU0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	10	3.75	4.33	9.4	0.	20.473	4.525	0.	0.	9.325	9.4
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	10	8.2	8.15	9.2	7.1	0.707	0.841	7.11	7.35	8.95	9.19
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	10	7.96	7.619	9.2	7.1	1.021	1.01	7.11	7.35	8.95	9.19
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	10	0.011	0.024	0.079	0.001	0.001	0.029	0.001	0.001	0.046	0.078

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station HOCU0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	343	8.	8.875	25.	0.	36.718	6.06	0.	4.	14.	17.2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	263	23.9	22.398	30.7	3.7	35.068	5.922	13.58	20.8	26.7	28.16
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	254	2.	3.116	19.	0.	14.423	3.798	0.	0.	5.	9.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	263	7.4	7.808	22.	0.	23.038	4.8	1.5	4.2	11.1	13.86
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	254	8.1	8.111	9.1	7.1	0.196	0.442	7.5	7.8	8.4	8.8
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	254	8.1	7.897	9.1	7.1	0.241	0.491	7.5	7.8	8.4	8.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	254	0.008	0.013	0.079	0.001	0.	0.014	0.002	0.004	0.016	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 9/01 to 10/31 - Station HOCU0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	73	8.	8.329	27.	0.	42.224	6.498	0.	2.5	14.	16.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	56	23.4	23.23	26.3	20.	3.102	1.761	20.87	21.3	24.25	25.8
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	06/11/75-08/10/83	7	28.	39.143	100.	1.	1310.476	36.2	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	44	1.	0.841	3.	0.	0.928	0.963	0.	0.	1.	2.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	56	5.7	5.823	12.3	0.1	9.005	3.001	1.88	3.725	7.925	10.53
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	56	8.1	8.075	8.7	7.3	0.117	0.342	7.6	7.825	8.3	8.6
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	56	8.1	7.939	8.7	7.3	0.136	0.368	7.6	7.825	8.3	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	56	0.008	0.012	0.05	0.002	0.	0.01	0.003	0.005	0.015	0.025

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/15 - Station HOCU0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	15	10.	11.333	27.	0.	83.81	9.155	0.6	3.	20.	25.8
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	12	12.95	13.283	14.5	12.2	0.547	0.74	12.38	12.825	14.025	14.5
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	06/11/75-08/10/83	8	21.	31.5	100.	1.	1124.286	33.53	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	12	8.95	9.35	13.2	5.2	6.305	2.511	5.89	7.7	11.975	13.2
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	12	8.1	8.175	8.5	7.9	0.037	0.191	7.93	8.1	8.35	8.5
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	12	8.1	8.14	8.5	7.9	0.038	0.195	7.93	8.1	8.35	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	12	0.008	0.007	0.013	0.003	0.	0.003	0.003	0.005	0.008	0.012

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/16 to 8/31 - Station HOCU0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/11/75-09/29/87	465	8.	9.555	30.	0.	46.954	6.852	0.	4.	16.	18.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/75-09/29/87	365	24.	22.481	30.7	3.7	31.251	5.59	15.08	19.7	26.45	27.8
00031	LIGHT, INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	06/11/75-08/10/83	64	4.65	15.341	100.	0.	499.251	22.344	0.05	0.825	21.75	47.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/11/75-09/29/87	299	3.	10.314	98.	0.	288.486	16.985	0.	0.7	10.	39.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/11/75-09/29/87	365	7.1	7.514	22.	0.	22.346	4.727	0.78	3.95	10.35	13.74
00400	PH (STANDARD UNITS)	06/11/75-09/29/87	355	8.	8.01	9.2	7.	0.254	0.504	7.3	7.6	8.4	8.8
00400	CONVERTED PH (STANDARD UNITS)	06/11/75-09/29/87	355	8.	7.756	9.2	7.	0.319	0.565	7.3	7.6	8.4	8.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/75-09/29/87	355	0.01	0.018	0.1	0.001	0.	0.019	0.002	0.004	0.025	0.05

EPA Water Quality Criteria Analysis for Entire HOCU Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	48	4	0.08	8	1	0.13	10	1	0.10	30	2	0.07		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	457	226	0.49	146	94	0.64	21	4	0.19	290	128	0.44		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	8173	1787	0.22	1557	446	0.29	1474	2	0.00	5142	1339	0.26		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	114	15	0.13	22	5	0.23	21	1	0.05	71	9	0.13		
00400	PH	Fresh Chronic	9.	4917	64	0.01	1036	1	0.00	288	0	0.00	3593	63	0.02		
		Other-Lo Lim.	6.5	4917	67	0.01	1036	34	0.03	288	0	0.00	3593	33	0.01		
00403	PH, LAB	Fresh Chronic	9.	3494	9	0.00	598	1	0.00	1263	1	0.00	1633	7	0.00		
		Other-Lo Lim.	6.5	3494	11	0.00	598	2	0.00	1263	6	0.00	1633	3	0.00		
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	927	850	0.92	116	109	0.94	233	219	0.94	578	522	0.90		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	252	1	0.00	69	1	0.01	46	0	0.00	137	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	58	0	0.00	8	0	0.00	21	0	0.00	29	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	71	0	0.00	13	0	0.00	15	0	0.00	43	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1123	22	0.02	260	1	0.00	90	5	0.06	773	16	0.02		
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1000	6	0.01	133	0	0.00	233	0	0.00	634	6	0.01		
00720	CYANIDE, TOTAL	Fresh Acute	0.022	38	0	0.00	6	0	0.00	9	0	0.00	23	0	0.00		
		Drinking Water	0.2	38	0	0.00	6	0	0.00	9	0	0.00	23	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2167	0	0.00	373	0	0.00	444	0	0.00	1350	0	0.00		
		Drinking Water	250.	2167	0	0.00	373	0	0.00	444	0	0.00	1350	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2077	10	0.00	352	4	0.01	413	3	0.01	1312	3	0.00		
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	351	0	0.00	63	0	0.00	127	0	0.00	161	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	85	0	0.00	44	0	0.00				41	0	0.00		
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	36	0	0.00	6	0	0.00	9	0	0.00	21	0	0.00		
		Drinking Water	50.	36	0	0.00	6	0	0.00	9	0	0.00	21	0	0.00		
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00							4	0	0.00		
		Drinking Water	50.	4	0	0.00							4	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	278	0	0.00	82	0	0.00	9	0	0.00	187	0	0.00		
		Drinking Water	50.	278	0	0.00	82	0	0.00	9	0	0.00	187	0	0.00		
01005	BARIUM, DISSOLVED	Drinking Water	2000.	113	0	0.00	20	0	0.00				93	0	0.00		
01007	BARIUM, TOTAL	Drinking Water	2000.	923	0	0.00	142	0	0.00	238	0	0.00	543	0	0.00		
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	112	0	0.00	20	0	0.00				92	0	0.00		
		Drinking Water	4.	112	0	0.00	20	0	0.00				92	0	0.00		
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	193	0	0.00	35	0	0.00	14	0	0.00	144	0	0.00		
		Drinking Water	4.	133 &	9	0.07	29	1	0.03	1	1	1.00	103	7	0.07		
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	108 &	0	0.00				5	0	0.00	103	0	0.00		
		Drinking Water	5.	108 &	0	0.00				5	0	0.00	103	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1257 &	335	0.27	195	30	0.15	234	93	0.40	828	212	0.26		
		Drinking Water	5.	1257 &	228	0.18	195	13	0.07	234	62	0.26	828	153	0.18		
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	230	0	0.00	44	0	0.00	5	0	0.00	181	0	0.00		
01034	CHROMIUM, TOTAL	Drinking Water	100.	859	5	0.01	183	1	0.01	91	0	0.00	585	4	0.01		
01040	COPPER, DISSOLVED	Fresh Acute	18.	30 &	5	0.17				5	1	0.20	25	4	0.16		
		Drinking Water	1300.	84	0	0.00	20	0	0.00	5	0	0.00	59	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	1112 &	741	0.67	212	104	0.49	255	235	0.92	645	402	0.62		
		Drinking Water	1300.	1217	0	0.00	238	0	0.00	273	0	0.00	706	0	0.00		
01049	LEAD, DISSOLVED	Fresh Acute	82.	66	0	0.00	20	0	0.00				46	0	0.00		
		Drinking Water	15.	18 &	0	0.00							18	0	0.00		
01051	LEAD, TOTAL	Fresh Acute	82.	716	18	0.03	161	2	0.01	86	0	0.00	469	16	0.03		
		Drinking Water	15.	609 &	184	0.30	135	24	0.18	66	31	0.47	408	129	0.32		
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	48	0	0.00	6	0	0.00				42	0	0.00		
		Drinking Water	2.	35 &	35	1.00	6	6	1.00				29	29	1.00		
01059	THALLIUM, TOTAL	Fresh Acute	1400.	38	0	0.00	6	0	0.00				32	0	0.00		
		Drinking Water	2.	29 &	29	1.00	6	6	1.00				23	23	1.00		
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	18	0	0.00							18	0	0.00		
		Drinking Water	100.	18	0	0.00							18	0	0.00		
01067	NICKEL, TOTAL	Fresh Acute	1400.	376	0	0.00	110	0	0.00	28	0	0.00	238	0	0.00		
		Drinking Water	100.	376	13	0.03	110	1	0.01	28	3	0.11	238	9	0.04		
01077	SILVER, TOTAL	Fresh Acute	4.1	14 &	13	0.93				5	5	1.00	9	8	0.89		
		Drinking Water	100.	41	0	0.00	4	0	0.00	9	0	0.00	28	0	0.00		
01090	ZINC, DISSOLVED	Fresh Acute	120.	317	7	0.02	58	4	0.07	5	0	0.00	254	3	0.01		
		Drinking Water	5000.	317	0	0.00	58	0	0.00	5	0	0.00	254	0	0.00		
01092	ZINC, TOTAL	Fresh Acute	120.	1554	41	0.03	300	16	0.05	299	6	0.02	955	19	0.02		
		Drinking Water	5000.	1554	0	0.00	300	0	0.00	299	0	0.00	955	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire HOCU Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	112	3	0.03	20	0	0.00			92	3	0.03			
		Drinking Water	6.	9 &	3	0.33						9	3	0.33			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	147	19	0.13	28	7	0.25	14	4	0.29	105	8	0.08		
		Drinking Water	6.	20 &	20	1.00	7	7	1.00	4	4	1.00	9	9	1.00		
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00						4	0	0.00			
		Drinking Water	50.	4	0	0.00						4	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	155	0	0.00	57	0	0.00	8	0	0.00	90	0	0.00		
		Drinking Water	50.	155	0	0.00	57	0	0.00	8	0	0.00	90	0	0.00		
01220	CHROMIUM, HEXAVALENT, DISSOLVED	Fresh Acute	16.	32	22	0.69	3	2	0.67	11	7	0.64	18	13	0.72		
		Drinking Water	100.	32	0	0.00	3	0	0.00	11	0	0.00	18	0	0.00		
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIA	Drinking Water	0.2	0 &	0	0.00											
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	13	7	0.54	10	5	0.50			3	2	0.67			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	189	104	0.55	29	14	0.48	28	15	0.54	132	75	0.57		
31648	E. COLI, MTEC, MF	Other-Hi Lim.	126.	2	0	0.00						2	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	4	0	0.00				1	0	0.00	3	0	0.00		
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	4	0	0.00				1	0	0.00	3	0	0.00		
		Drinking Water	5.	4	0	0.00				1	0	0.00	3	0	0.00		
32103	1,2-DICHLOROETHANE, WHOLE WATER	Fresh Acute	118000.	4	0	0.00				1	0	0.00	3	0	0.00		
		Drinking Water	5.	4	0	0.00				1	0	0.00	3	0	0.00		
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	4	0	0.00				1	0	0.00	3	0	0.00		
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	4	0	0.00				1	0	0.00	3	0	0.00		
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	4	0	0.00				1	0	0.00	3	0	0.00		
		Drinking Water	100.	4	0	0.00				1	0	0.00	3	0	0.00		
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	3	0	0.00				1	0	0.00	2	0	0.00		
		Drinking Water	1000.	3	0	0.00				1	0	0.00	2	0	0.00		
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	3	0	0.00				1	0	0.00	2	0	0.00		
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	4	0	0.00				1	0	0.00	3	0	0.00		
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	3	0	0.00						3	0	0.00			
		Drinking Water	700.	3	0	0.00						3	0	0.00			
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	3	0	0.00				1	0	0.00	2	0	0.00		
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	3	0	0.00				1	0	0.00	2	0	0.00		
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00		
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	3	0	0.00				1	0	0.00	2	0	0.00		
34403	INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00											
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	3	0	0.00				1	0	0.00	2	0	0.00		
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	4	0	0.00				1	0	0.00	3	0	0.00		
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	3	0	0.00				1	0	0.00	2	0	0.00		
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	3	0	0.00				1	0	0.00	2	0	0.00		
34460	PCP (PENTACHLOROPHENOL), SUSPENDED	Fresh Acute	20.	0 &	0	0.00											
		Drinking Water	1.	0 &	0	0.00											
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	3	0	0.00				1	0	0.00	2	0	0.00		
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	4	0	0.00				1	0	0.00	3	0	0.00		
		Drinking Water	5.	4	0	0.00				1	0	0.00	3	0	0.00		
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	4	0	0.00				1	0	0.00	3	0	0.00		
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	4	0	0.00				1	0	0.00	3	0	0.00		
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	4	0	0.00				1	0	0.00	3	0	0.00		
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	4	0	0.00				1	0	0.00	3	0	0.00		
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	4	0	0.00				1	0	0.00	3	0	0.00		
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	4	0	0.00				1	0	0.00	3	0	0.00		
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	4	0	0.00				1	0	0.00	3	0	0.00		
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	4	0	0.00				1	0	0.00	3	0	0.00		
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	4	0	0.00				1	0	0.00	3	0	0.00		
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	3	0	0.00				1	0	0.00	2	0	0.00		
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	3	0	0.00				1	0	0.00	2	0	0.00		
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	3	0	0.00				1	0	0.00	2	0	0.00		
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	3	0	0.00				1	0	0.00	2	0	0.00		
34694	PHENOL (C6HSOH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	2	0	0.00						2	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	4	0	0.00				1	0	0.00	3	0	0.00		
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00											
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00				1	0	0.00	2	0	0.00		
		Drinking Water	1.	1 &	0	0.00				1	0	0.00					

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire HOCU Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	-----9/01-10/31-----			-----11/01-3/15-----			-----3/16-8/31-----			-----n/a-----		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	29	12	0.41	1	0	0.00	3	0	0.00	25	12	0.48		
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	23	0	0.00	1	0	0.00	5	0	0.00	17	0	0.00		
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	2	0	0.00							2	0	0.00		
		Drinking Water	6.	2	0	0.00							2	0	0.00		
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	2	0	0.00			1	0	0.00	1	0	0.00			
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	4	0	0.00			1	0	0.00	3	0	0.00			
		Drinking Water	5.	4	0	0.00			1	0	0.00	3	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	3	0	0.00			1	0	0.00	2	0	0.00			
		Drinking Water	1.	2 &	0	0.00			1	0	0.00	1	0	0.00			
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	4	0	0.00			1	0	0.00	3	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	311	1	0.00	57	1	0.02	115	0	0.00	139	0	0.00		
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	124	52	0.42	25	14	0.56				99	38	0.38		
		Drinking Water	2.	124	58	0.47	25	15	0.60				99	43	0.43		
71900	MERCURY, TOTAL	Fresh Acute	2.4	313	84	0.27	82	18	0.22	29	14	0.48	202	52	0.26		
		Drinking Water	2.	313	88	0.28	82	19	0.23	29	15	0.52	202	54	0.27		
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	2	0	0.00							2	0	0.00		
77128	STYRENE, WHOLE WATER	Drinking Water	100.	2	0	0.00							2	0	0.00		
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	0.00											
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	36	0	0.00				5	0	0.00	30	0	0.00		
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	634	281	0.44	209	84	0.40				425	197	0.46		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

**NPS Servicewide Inventory and Monitoring Program Level I
Water Quality Parameter Inventory Data Evaluation and Analysis:
Missing Level I Groups**

There are STORET Data for Every Level I I&M Parameter Group Within
the HOCU Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the HOCU Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CaCO ₃)	1102	432	307	363	42
00435	ACIDITY, TOTAL (MG/L AS CaCO ₃)	16	0	15	1	3
00440	BICARBONATE ION (MG/L AS HCO ₃)	380	0	26	354	7
00445	CARBONATE ION (MG/L AS CO ₃)	378	0	26	352	7
		1876	432	374	1070	59 (42) ¹
pH		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	4917	1982	2567	368	52
00403	PH, LAB (STANDARD UNITS)	3494	987	1772	735	20
		8411	2969	4339	1103	72 (55) ¹
Conductivity		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	1648	173	1475	0	38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	7340	3763	2544	1033	44
		8988	3936	4019	1033	82 (53) ¹
Dissolved Oxygen		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	8173	2964	4350	859	48
00300	OXYGEN, DISSOLVED (MG/L)	114	0	56	58	6
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	112	0	54	58	5
		8399	2964	4460	975	59 (54) ¹
Water Temperature		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	7812	2261	4366	1185	58
		7812	2261	4366	1185	58 (58) ¹
Flow		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060	FLOW, STREAM, MEAN DAILY CFS	352	0	0	352	4
00061	FLOW, STREAM, INSTANTANEOUS CFS	1761	955	447	359	11
00065	STAGE, STREAM (FEET)	51	28	23	0	4
		2164	983	470	711	19 (11) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	48	0	47	1	7
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	457	0	447	10	8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	206	114	92	0	10
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	1797	1359	370	68	41
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	634	634	0	0	3
		3142	2107	956	79	69 (44) ¹
Nitrate/Nitrogen		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	10	0	10	0	4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	8	0	8	0	3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	65	65	0	0	4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	2041	1441	576	24	57
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	58	0	0	58	4
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	71	10	25	36	13
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	70	70	0	0	5
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	2045	1473	555	17	55
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1123	545	514	64	55
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	1000	1000	0	0	5
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	3	0	3	0	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	311	0	0	311	4
		6805	4604	1691	510	210 (59) ¹
Phosphate/Phosphorus		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	24	0	8	16	7
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	26	0	26	0	2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	2529	1556	877	96	50
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	515	114	397	4	12
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	911	911	0	0	1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10	0	10	0	5
		4015	2581	1318	116	77 (51) ¹
Chlorophyll		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	842	414	428	0	9
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	769	383	386	0	9
		1611	797	814	0	18 (9) ¹
Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	1167	353	440	374	53
00945	SULFATE, TOTAL (MG/L AS SO4)	2077	1240	458	379	48
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	570	209	38	323	38
		3814	1802	936	1076	139 (54) ¹
Bacteria		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDOMED, 35C	13	1	12	0	3
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	189	73	116	0	29
31648	E. COLI - MTEC-MF	2	2	0	0	2
		204	76	128	0	34 (30) ¹

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Toxic Elements		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	112	0	112	0	6
01097	ANTIMONY, TOTAL (UG/L AS SB)	147	40	107	0	6
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	36	0	32	4	2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	4	1	3	0	4
01002	ARSENIC, TOTAL (UG/L AS AS)	278	243	35	0	38
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	112	0	112	0	6
01012	BERYLLIUM, TOTAL (UG/L AS BE)	193	82	111	0	6
01025	CADMIUM, DISSOLVED (UG/L AS CD)	197	1	184	12	12
01027	CADMIUM, TOTAL (UG/L AS CD)	1513	1166	320	27	50
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	230	1	217	12	12
01034	CHROMIUM, TOTAL (UG/L AS CR)	1314	930	365	19	53
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	32	0	24	8	4
01040	COPPER, DISSOLVED (UG/L AS CU)	84	1	71	12	9
01042	COPPER, TOTAL (UG/L AS CU)	1230	973	227	30	51
01049	LEAD, DISSOLVED (UG/L AS PB)	66	1	65	0	8
01051	LEAD, TOTAL (UG/L AS PB)	1142	930	200	12	51
71890	MERCURY, DISSOLVED (UG/L AS HG)	124	1	123	0	11
71900	MERCURY, TOTAL (UG/L AS HG)	313	96	202	15	37
01065	NICKEL, DISSOLVED (UG/L AS NI)	18	1	17	0	7
01067	NICKEL, TOTAL (UG/L AS NI)	376	253	113	10	44
01145	SELENIUM, DISSOLVED (UG/L AS SE)	4	1	3	0	4
01147	SELENIUM, TOTAL (UG/L AS SE)	155	137	18	0	27
01077	SILVER, TOTAL (UG/L AS AG)	41	1	40	0	6
01057	THALLIUM, DISSOLVED (UG/L AS TL)	48	0	48	0	4
01059	THALLIUM, TOTAL (UG/L AS TL)	38	0	38	0	4
01090	ZINC, DISSOLVED (UG/L AS ZN)	317	0	305	12	12
01092	ZINC, TOTAL (UG/L AS ZN)	1561	1092	450	19	53
00720	CYANIDE, TOTAL (MG/L AS CN)	38	4	34	0	3
34030	BENZENE IN WTR SMPL GC-MS, HEXADECONE EXT. (UG/L)	4	4	0	0	3
32104	BROMOFORM, WHOLE WATER, (UG/L)	4	4	0	0	3
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	4	4	0	0	3
34301	CHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	3
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	4	4	0	0	3
34311	CHLOROETHANE, TOTAL (UG/L)	2	2	0	0	2
32106	CHLOROFORM, WHOLE WATER (UG/L)	4	4	0	0	3
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	4	4	0	0	3
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	4	4	0	0	3
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	4	4	0	0	3
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	4	4	0	0	3
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	4	4	0	0	3
34371	ETHYLBENZENE, TOTAL (UG/L)	3	3	0	0	2
34413	METHYL BROMIDE, TOTAL (UG/L)	2	2	0	0	2
34418	METHYL CHLORIDE, TOTAL (UG/L)	2	2	0	0	2
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	4	4	0	0	3
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	4	4	0	0	3
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	4	4	0	0	3
34010	TOLUENE IN WTR SMPL GC-MS, HEXADECONE EXT. (UG/L)	3	3	0	0	3
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	4	4	0	0	3
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	4	4	0	0	3
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	4	4	0	0	3
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	4	4	0	0	3
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2
34586	2-CHLOROPHENOL, TOTAL (UG/L)	3	3	0	0	3
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	3	3	0	0	3
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	3	3	0	0	3

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Toxic Elements - Continued ...		Total Obs.	01/01/85 to 09/08/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	3	3	0	0	3
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	3	3	0	0	3
34591	2-NITROPHENOL, TOTAL (UG/L)	3	3	0	0	3
34646	4-NITROPHENOL, TOTAL (UG/L)	2	2	0	0	2
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	3	3	0	0	3
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	1	1	0	0	1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	3	3	0	0	3
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	2	2	0	0	2
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	3	3	0	0	3
34205	ACENAPHTHENE, TOTAL (UG/L)	3	3	0	0	3
34200	ACENAPHTHYLENE, TOTAL (UG/L)	3	3	0	0	3
34220	ANTHRACENE, TOTAL (UG/L)	3	3	0	0	3
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	3	3	0	0	3
34247	BENZO-A-PYRENE, TOTAL (UG/L)	3	3	0	0	3
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	3	3	0	0	3
34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	3	3	0	0	3
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	3	3	0	0	3
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	3	3	0	0	3
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	3	3	0	0	3
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	2	2	0	0	2
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	3	3	0	0	3
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	3	3	0	0	3
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	3	3	0	0	3
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	3	3	0	0	3
34320	CHRYSENE, TOTAL (UG/L)	3	3	0	0	3
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	3	3	0	0	3
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	3
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	3
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	3
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	2	2	0	0	2
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	3	3	0	0	3
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	3	3	0	0	3
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	3	3	0	0	3
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	3	3	0	0	3
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	3	3	0	0	3
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	3	3	0	0	3
34376	FLUORANTHENE, TOTAL (UG/L)	3	3	0	0	3
34381	FLUORENE, TOTAL (UG/L)	3	3	0	0	3
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	3	3	0	0	3
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	4	4	0	0	3
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	3	3	0	0	3
34396	HEXACHLOROETHANE, TOTAL (UG/L)	3	3	0	0	3
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	3	3	0	0	3
34408	ISOPHORONE, TOTAL (UG/L)	3	3	0	0	3
34696	NAPHTHALENE, TOTAL (UG/L)	4	4	0	0	3
34447	NITROBENZENE, TOTAL (UG/L)	3	3	0	0	3
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	3	3	0	0	3
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	2	2	0	0	2
34461	PHENANTHRENE, TOTAL (UG/L)	3	3	0	0	3
34469	PYRENE, TOTAL (UG/L)	3	3	0	0	3
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	3
		9970	6202	3576	192	752 (53) ¹

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NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	1876	432	23.0	42	61.8	44.7	08/30/65-10/22/97	58.4
pH	8411	2969	35.3	55	80.9	152.9	08/30/65-10/22/97	261.6
Conductivity	8988	3936	43.8	53	77.9	169.6	08/30/65-09/08/98	272.1
Dissolved Oxygen	8399	2964	35.3	54	79.4	155.5	10/09/65-09/25/97	262.8
Water Temperature	7812	2261	28.9	58	85.3	134.7	08/30/65-09/25/97	243.6
Flow	2164	983	45.4	11	16.2	196.7	12/10/56-09/08/98	51.8
Clarity/Turbidity	3142	2107	67.1	44	64.7	71.4	09/21/67-09/08/98	101.5
Nitrate/Nitrogen	6805	4604	67.7	59	86.8	115.3	10/09/65-09/08/98	206.7
Phosphate/Phosphorus	4015	2581	64.3	51	75.0	78.7	05/01/67-09/08/98	128.0
Chlorophyll	1611	797	49.5	9	13.2	179.0	04/12/78-11/19/96	86.6
Sulfates/Total Dissolved Solids/Hardness	3814	1802	47.2	54	79.4	70.6	08/30/65-09/08/98	115.5
Bacteria	204	76	37.3	30	44.1	6.8	04/30/75-08/27/97	9.1
Toxic Elements	9970	6202	62.2	53	77.9	188.1	10/03/70-09/08/98	356.9

Water Quality Observations
Outside STORET Edit Criteria for HOCU
(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
HOCU0003	70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	850828	0955	4230.0000000	21OHIO	600920	
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660302		7700.0000000	112WRD	03231500	X
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660325		7200.0000000	112WRD	03231500	X
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660530		7300.0000000	112WRD	03231500	X
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660601		7100.0000000	112WRD	03231500	X
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660628		8200.0000000	112WRD	03231500	X
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660701		7600.0000000	112WRD	03231500	X
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660720		7100.0000000	112WRD	03231500	X
HOCU0028	32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	660812		7500.0000000	112WRD	03231500	X
HOCU0029	00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	960702	0400	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960429	2000	-0.0010000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960501	0400	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960501	1200	-0.0010000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960501	2000	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960503	0400	-0.0020000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960503	1200	-0.0010000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960503	2000	-0.0040000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960504	2000	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960505	0400	-0.0020000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960618	1200	-0.0040000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960622	1200	-0.0020000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960625	0400	-0.0010000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960730	1200	-0.0060000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	960731	1200	-0.0010000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	961228	1200	-0.0080000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	961229	1200	-0.0100000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970515	1200	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970813	1200	-0.0140000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970814	1200	-0.0080000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970815	1200	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970816	0400	-0.0070000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970816	1200	-0.0060000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970816	2000	-0.0100000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970817	0400	-0.0110000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970817	1200	-0.0100000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970817	2000	-0.0100000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970818	0400	-0.0070000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970818	1200	-0.0080000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970818	2000	-0.0060000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	971019	1200	-0.0050000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	971021	0400	-0.0070000	31HEIDRV	USGS03231500	X

Water Quality Observations
Outside STORET Edit Criteria for HOCU
(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	971208	1200	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	971216	1200	-0.0100000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	971221	1200	-0.0090000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	971228	1200	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980113	1200	-0.0090000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980118	1200	-0.0110000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980403	1200	-0.0440000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980404	1200	-0.0440000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980407	0400	-0.0070000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980421	1200	-0.0120000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980422	1200	-0.0080000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980423	1200	-0.0100000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980424	1200	-0.0130000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980425	1200	-0.0190000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980426	1200	-0.0120000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980427	1200	-0.0130000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980428	0400	-0.0100000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980428	1200	-0.0030000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980429	1200	-0.0130000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980430	1200	-0.0110000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980501	1200	-0.0160000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980502	1200	-0.0140000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980503	0400	-0.0130000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980503	1200	-0.0150000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980503	2000	-0.0120000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980504	0400	-0.0160000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980504	1200	-0.0090000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980505	0400	-0.0140000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980606	1200	-0.0050000	31HEIDRV	USGS03231500	X
HOCU0029	00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980609	0400	-0.0020000	31HEIDRV	USGS03231500	X
HOCU0029	00916 CALCIUM, TOTAL (MG/L AS CA)	970418	1200	1155000.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00916 CALCIUM, TOTAL (MG/L AS CA)	970419	1200	1107000.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00916 CALCIUM, TOTAL (MG/L AS CA)	970420	1200	1122000.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00916 CALCIUM, TOTAL (MG/L AS CA)	970421	1200	1081000.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00916 CALCIUM, TOTAL (MG/L AS CA)	970422	0400	1119000.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00916 CALCIUM, TOTAL (MG/L AS CA)	970713	1200	-0.0300000	31HEIDRV	USGS03231500	X
HOCU0029	00916 CALCIUM, TOTAL (MG/L AS CA)	980818	0400	-0.7000000	31HEIDRV	USGS03231500	X
HOCU0029	00927 MAGNESIUM, TOTAL (MG/L AS MG)	980818	0400	-0.7000000	31HEIDRV	USGS03231500	X
HOCU0029	00929 SODIUM, TOTAL (MG/L AS NA)	980501	1200	-0.0060000	31HEIDRV	USGS03231500	X
HOCU0029	00929 SODIUM, TOTAL (MG/L AS NA)	980818	0400	-0.6600000	31HEIDRV	USGS03231500	X
HOCU0029	00937 POTASSIUM, TOTAL MG/L AS K)	970417	1200	-0.0090000	31HEIDRV	USGS03231500	X

Water Quality Observations
Outside STORET Edit Criteria for HOCU
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NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
HOCU0029	00937 POTASSIUM, TOTAL MG/L AS K)	970418	1200	8501.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00937 POTASSIUM, TOTAL MG/L AS K)	970419	1200	8663.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00937 POTASSIUM, TOTAL MG/L AS K)	970420	1200	9416.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00937 POTASSIUM, TOTAL MG/L AS K)	970421	1200	9577.0000000	31HEIDRV	USGS03231500	X
HOCU0029	00937 POTASSIUM, TOTAL MG/L AS K)	970422	0400	9537.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01007 BARIUM, TOTAL (UG/L AS BA)	980818	0400	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	960815	1200	-0.0040000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	960818	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	960819	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	960825	1200	-0.0600000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	960827	1200	-0.0200000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	961207	0400	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970406	1200	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970409	1200	-0.0400000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970416	1200	-0.0300000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970417	1200	-0.4000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970418	1200	1250.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970420	1200	1053.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970421	1200	946.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970422	0400	706.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970905	1200	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	970930	1200	-0.6000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	971018	1200	-0.4000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	971212	0400	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980104	1200	-0.3000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980108	2000	-0.0600000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980118	1200	-0.6000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980409	1200	-0.0200000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980411	0400	-0.3000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980413	1200	-0.0600000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980418	0400	-0.6000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980428	1200	-0.8000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980508	2000	614.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980704	1200	-0.0800000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980706	1200	-0.5000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980717	1200	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980721	0400	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980811	1200	-0.0200000	31HEIDRV	USGS03231500	X
HOCU0029	01027 CADMIUM, TOTAL (UG/L AS CD)	980818	0400	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960506	1200	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960507	1200	-3.0000000	31HEIDRV	USGS03231500	X

Water Quality Observations
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NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960508	1200	-4.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960509	1200	-4.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960512	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960513	0400	-3.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960513	1200	-22.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960514	1200	-22.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960515	1200	-24.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960516	1200	-22.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960517	1200	-24.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960518	1200	-26.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960519	1200	-26.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960520	1200	-24.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960521	0400	-24.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960718	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960723	1200	-0.4000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	960906	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	961104	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	961105	0400	-0.3000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	961227	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	961228	1200	-0.0600000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970218	0400	-4.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970415	1200	-0.4000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970416	1200	-0.5000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970421	1200	2127.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970422	0400	2355.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970713	1200	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970717	1200	-0.9000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	970912	2000	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	971101	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	971214	1200	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	971227	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980102	1200	-3.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980103	1200	-3.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980216	1200	-0.8000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980331	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980416	1200	-0.8000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980705	1200	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980707	1200	-0.3000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980724	1200	-9.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980812	1200	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980815	1200	-1.0000000	31HEIDRV	USGS03231500	X

Water Quality Observations
Outside STORET Edit Criteria for HOCU
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NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
HOCU0029	01034 CHROMIUM, TOTAL (UG/L AS CR)	980818	0400	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01042 COPPER, TOTAL (UG/L AS CU)	980719	1200	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01042 COPPER, TOTAL (UG/L AS CU)	980818	0400	-5.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01045 IRON, TOTAL (UG/L AS FE)	960905	1200	-0.0010000	31HEIDRV	USGS03231500	X
HOCU0029	01045 IRON, TOTAL (UG/L AS FE)	960906	1200	-0.0010000	31HEIDRV	USGS03231500	X
HOCU0029	01045 IRON, TOTAL (UG/L AS FE)	960909	1200	-0.0020000	31HEIDRV	USGS03231500	X
HOCU0029	01045 IRON, TOTAL (UG/L AS FE)	980818	0400	-0.0020000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	960804	1200	-0.8000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	960806	0400	-0.0300000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	960818	1200	-0.4000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	960829	1200	-0.3000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	960904	1200	-0.0400000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	961127	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970316	1200	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970330	2000	-0.1000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970408	1200	-0.5000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970415	1200	-0.2000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970417	1200	-5.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970712	1200	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970817	1200	-0.9000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970825	1200	-5.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970905	1200	-0.6000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970907	1200	-10.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970908	1200	-7.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970915	1200	-13.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	970916	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971012	1200	-11.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971014	1200	-8.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971025	1200	-0.8000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971209	0400	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971211	2000	-3.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971221	1200	-20.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971223	0400	-0.4000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	971230	1200	-10.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980102	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980110	0400	-0.6000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980110	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980111	0400	-4.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980112	0400	-0.5000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980117	1200	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980212	1200	-0.4000000	31HEIDRV	USGS03231500	X

Water Quality Observations
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NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980406	1200	-3.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980411	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980505	1200	-20.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980506	1200	-43.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980623	1200	-31.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980624	1200	-28.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980626	1200	-15.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980627	1200	-18.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980804	1200	-2.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980806	1200	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01051 LEAD, TOTAL (UG/L AS PB)	980808	1200	-17.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01055 MANGANESE, TOTAL (UG/L AS MN)	960906	1200	-0.0002000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	960427	2000	-0.3000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	960428	2000	-0.4000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	960429	0400	-0.3000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	961228	1200	-0.0700000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	970418	1200	-583.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	970419	1200	-337.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	970420	1200	-660.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	970421	1200	-467.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	970422	0400	-333.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01092 ZINC, TOTAL (UG/L AS ZN)	980818	0400	-6.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01105 ALUMINUM, TOTAL (UG/L AS AL)	970418	1200	429700.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01105 ALUMINUM, TOTAL (UG/L AS AL)	970419	1200	490600.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01105 ALUMINUM, TOTAL (UG/L AS AL)	970420	1200	553600.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01105 ALUMINUM, TOTAL (UG/L AS AL)	970421	1200	531800.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01105 ALUMINUM, TOTAL (UG/L AS AL)	970422	0400	412700.0000000	31HEIDRV	USGS03231500	X
HOCU0029	01105 ALUMINUM, TOTAL (UG/L AS AL)	980818	0400	-1.0000000	31HEIDRV	USGS03231500	X
HOCU0040	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	810107	1020	-2.8000000	21OHIO	600930	
HOCU0040	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	810119	1020	-2.2000000	21OHIO	600930	
HOCU0040	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	810205	1005	-2.2000000	21OHIO	600930	
HOCU0040	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	850208	1200	-2.2000000	21OHIO	600930	
HOCU0050	31679 FECAL STREP.,MF M-ENTEROCOCCUS AGAR,35C,48H	890719	1125	6000000.0000000	21OHIO	V10S28	
HOCU0050	31679 FECAL STREP.,MF M-ENTEROCOCCUS AGAR,35C,48H	891003	1150	580000.0000000	21OHIO	V10S28	
HOCU0057	00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	790809	0930	480.0000000	11COEHUN	1PCSW0014	
HOCU0058	00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	750506	1505	229.0000000	112WRD	391450083212200	
HOCU0058	00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	750506	1510	222.0000000	112WRD	391450083212200	
HOCU0058	00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	750506	1515	211.0000000	112WRD	391450083212200	
HOCU0059	00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	920803	1045	499.0000000	21OHIO	OH4201-186L-1	

APPENDICES

Appendix A
Computer Files Transmitted With
Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where *COMPRESS.ZIP* is the name of one of the seven compressed (ZIP) files listed below and *FILENAME.EXT* is the name of the file you wish to extract. If you want to decompress all of the files in *COMPRESS.ZIP*, simply omit the *FILENAME.EXT*. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where *COMPRESS.ZIP* is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for *FILENAME.EXT* in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) HOCUTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

- (a) HOCUSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.
- (b) HOCUAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.
- (c) HOCUAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

- (d) HOCUOV0.DOC - Overview of park and retrieved data.
- (e) HOCUOV1.DOC - Station period of record table.
- (f) HOCUOV2.DOC - Parameter period of record table.
- (g) HOCUOV3.DOC - Station/parameter period of record table.
- (h) HOCUINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.
- (i) HOCUSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.
- (j) HOCUEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.
- (k) HOCUIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.
- (l) HOCUBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document HOCUOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\HOCUOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) HOCUFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station HOCU0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station HOCU0001) is in the subdirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) HOCUPARM.ZIP

This file compresses HOCUPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) HOCUSITE.ZIP

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

- (a) HOCUWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.
- (b) HOCUIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.
- (c) HOCUDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.
- (d) HOCUGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.
- (e) HOCUDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) HOCUMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

- (a) HOCUEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.
- (b) HOCUTOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.
- (c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.
- (d) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.
- (e) HOCUREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.
- (f) HOCUWQ - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (HOCUWQA, HOCUWQB, HOCUWQC, etc.) and the index map name will end with an ampersand (&).

- (g) HOCUIDG - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (HOCUIDGA, HOCUIDGB, HOCUIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.
- (h) HOCUSEHY - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with HOCUFIGS.ZIP and HOCUTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in HOCUMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) HOCURF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

- (a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.
- (c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.
- (d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) HOCUWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

<u>Parameter Data File: HOCUPARM.DBF in HOCUPARM.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown

Parameter Data File: HOCUPARM.DBF in HOCUPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				\$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: HOCUPARM.DBF in HOCUPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				\$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: HOCUWQ.DBF in HOCUSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: HOCUWQ.DBF in HOCUSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Industrial Facilities Discharges File: HOCUIFD.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: HOCUIFD.DBF in HOCUSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: HOCUIFD.DBF in HOCUSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Drinking Water Intakes File: HOCUDRIN.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

<u>Drinking Water Intakes File: HOCUDRIN.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

<u>Drinking Water Intakes File: HOCUDRIN.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Water Gage File: HOCUGAGE.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

<u>Water Gage File: HOCUGAGE.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFE	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Water Impoundment File: HOCUDAMS.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: HOCUDAMS.DBF in HOCUSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: HOCUDAMS.DBF in HOCUSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

<u>Water Impoundment File: HOCUDAMS.DBF in HOCUSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

<u>RF3 Structure File: 12345678.RF3 and 12345678.DBF in HOCURF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in HOCURF3.ZIP				
Field Name	Start	Stop	Length	Field Description
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LLIKEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in HOCURF3.ZIP				
Field Name	Start	Stop	Length	Field Description
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTC1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in HOCURF3.ZIP				
Field Name	Start	Stop	Length	Field Description
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCDC2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCDC3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

RF3 Trace File: 12345678.TRC in HOCURF3.ZIP				
Field Name	Start	Stop	Length	Field Description
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

<u>Catalog Unit Boundary File: 12345678.CUB in HOCURF3.ZIP</u>
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS,L=DDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

<u>Encyclopedia File: WRD File For Internal Use Only</u>				
Field Name	Start	Stop	Length	Field Description
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CaCO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CaCO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CaCO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CaCO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS Ca)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS Ca)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CaCO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED. M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT, MEMBR FILTER, DELAYED, M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT, MEMBR FILTER, IMMED, LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI, PLATE COUNT M-ENTER AGAR, 35C, 48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE), WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C, DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE, RECREATIONAL SUITABILITY @ SMPL TIME, 1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY, ACUTE 24HR (STATIC) CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT ERROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVL P
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary¹

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50 ^l	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50 ^l	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250 ^s			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0 ^u	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0 ^u	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0 [#]	PH	SU	Physical
	00403				≤6.5, ≥9.0 [#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0 [#]	PH, FIELD	SU	Physical

¹Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200"	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250 ⁸			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250 ⁸			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250 ⁸			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250 ⁸			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM, TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDEED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDEED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM, TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDEED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130 ⁺	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9 ⁺	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9 ⁺	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9 ⁺	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700 ⁺	100	10300 ⁺		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18 ⁺	1300 ^a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18 ⁺	1300 ^a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18 ⁺	1300 ^a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82 ⁺	15 ^a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82 ⁺	15 ^a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82 ⁺	15 ^a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400 ⁺	2.0	2130 ⁺		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400 ⁺	2.0	2130 ⁺		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400 ⁺	2.0	2130 ⁺		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400 ⁺	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400 ⁺	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400 ⁺	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400 ⁺	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1 ⁺	100 ^s	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1 ⁺	100 ^s	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018 ⁺	1.3 ^a	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120 ⁺	5000 ^s	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120 ⁺	5000 ^s	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120 ⁺	5000 ^s	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120 ⁺	5000 ^s	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88 ^p	6.0	1500 ^p		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88 ^p	6.0	1500 ^p		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88 ^p	6.0	1500 ^p		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9 ⁺	5.0	43		CADMIUM, TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82 ⁺	15 ^a	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18 ⁺	1300 ^a	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400 [*]	2.0	2130 [*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400 [*]	2.0	2130 [*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88 ^p	6.0	1500 ^p		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120 ⁺	5.0 ^s	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041 ⁺	0.1 ^s	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018 ⁺	1.3 ^a	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13 [*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039 ⁺	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7 ⁺	0.1	10.3 [*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082 ⁺	0.015 ^a	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4 ⁺	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4 [*]	0.002	2.13 [*]		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020 ^c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1 ⁺	100 ^s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20 ^r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000 ^r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000 ^r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000 ^r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0 ^r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0 ^r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0 ^r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT, DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20°			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20°			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20°			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020°			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20°			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0 ⁿ		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200 [^]	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200 [^]	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200 [^]	FECAL COLIFORM, MPN, EUKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200 [^]	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126 [^]	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33 [^]	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100 ⁱ			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100 ⁱ			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100 ⁱ			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100 ⁱ			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100 ⁱ			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100 ⁱ			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100 ⁱ			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100 ⁱ			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1 ⁱ			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100 ⁱ			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100 ⁱ			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100 ⁱ			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100 ⁱ			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100 ⁱ			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900*	100 ⁱ			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900*	100 ⁱ			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100 ⁱ			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100 ⁱ			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270*				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270*				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270*				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0 ^P	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0 ^P	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40 ^c			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40 ^c			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40 ^c			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30 ^P		7.7 ^P		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30 ^P		7.7 ^P		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30 ^P		7.7 ^P		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0 ^P	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0 ^P	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90 [*]		32 [*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9 ⁺	5.0	43		CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18 ⁺	1300 ^a	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82 ⁺	15 ^a	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1 ⁺	100 ^s	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3, LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWN AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200 [^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250 ^s			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY, TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9 ⁺	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82 ⁺	15 ^a	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18 ⁺	1300 ^a	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700 [*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100 ^p		240 ^p		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440 [*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250 ^s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20°			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18 ⁺	1300 ^a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400 ⁺	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120 ⁺	5000 ^s	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000 [*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120 ⁺	5000 ^s	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82 ⁺	15 ^a	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9 ⁺	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50 ^l	TURBIDITY, FIELD	NTU	Physical
	82079				50 ^l	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000 ^s			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
7440382	82702	360	50	69		ARSENIC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440393	82703		2			BARIUM, FIELD ACIDIFIED, DECANTED, WATER	MG/L	Metal
7440417	82704	130 [*]	4.0			BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440439	82705	3.9 ⁺	5.0	43		CADMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440473	82706		100			CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440508	82708	18 ⁺	1300 ^a	2.9		COPPER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439921	82711	82 ⁺	15 ^a	220		LEAD, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439976	82713	2.4	2.0	2.1		MERCURY, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440020	82715	1400 ⁺	100	75		NICKEL, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440224	82716	4.1 ⁺	100 ^s	0.12		SILVER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440666	82719	120 ⁺	5000 ^s	95		ZINC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

Footnote Key:

*Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

+Hardness Dependent Criteria (100 mg/L CaCO₃ Used).

***pH Dependent Criteria (7.8 pH Used).

=Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

^Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

#EPA freshwater aquatic life chronic criterion; marine criterion is ≤ 6.5 , ≥ 8.5 .

!Arizona state standard.

^aEPA action level, 40 CFR 141.80.

^bCalifornia and Florida state bathing water standards.

^cA Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

ⁿTotal coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

^pProposed Criterion.

^rAverage annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

^sEPA National Secondary Drinking Water Regulation, 40 CFR 143.

^tThe maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

^uColdwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program "Level I" Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	Flow Parameter Group¹	C.A.S. Number
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

¹Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μ EQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CaCO_3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CaCO_3)	471341
00435	ACIDITY, TOTAL (MG/L AS CaCO_3)	471341
00440	BICARBONATE ION (MG/L AS HCO_3)	71523
00445	CARBONATE ION (MG/L AS CO_3)	3812326
STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONIZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH_4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH_4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO_3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO_3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO_2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO_2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140
STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-
STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-
STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYL VINYL ETHER, WATER, WHL, RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROQUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440382
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440417
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440439
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440473
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440508
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439921
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439976
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440020
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440224
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440666
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.